

## Author Index to Volume 43\*

- Aadland E, 911  
 Abad-Lacruz A, 1071  
 Abbiati R, 1752  
 Abe T, 1302, 1521  
 Abedin MZ, 170  
 Abedin ZR, 170  
 Abell TL, 540, 1347  
 Abraham A, 2601  
 Abraham-Fuchs K, 683  
 Abrams K, 2500  
 Abukawa D, 392  
 Ackermann H, 911  
 Adamek HE, 33  
 Adami M, 616  
 Addolorato G, 1332  
 Adensanya AA, 126  
 Adler G, 1285  
 Adrian TM, 624  
 Agnihotri N, 56  
 Agocs L, 2727  
 Aichbeichler BW, 2353  
 Aida S, 971  
 Aigueperse J, 652  
 Aihara M, 160S, 174S  
 Airaud F, 1339  
 Aiyama T, 377  
 Ajioka Y, 1675  
 Akamatsu T, 188S  
 Akisawa N, 2138  
 Akiyoshi F, 41  
 Akizuki E, 863  
 Akkermans LMA, 491  
 Akram S, 1946  
 Al Azzawi DA, 2500  
 Alanko T, 1507  
 Alcalde J, 332  
 Alexander RA, 2652  
 Al-Fadda M, 329  
 Alfieri MH, 554  
 Alican I, 1258  
 Allan RB, 344, 349  
 Allen ML, 1411  
 Allerberger F, 1129  
 Allescher HD, 683, 1165  
 Almond L, 2500  
 Alrakawi A, 1978  
 Al-Suhaibani H, 329  
 Altomare DF, 2719  
 Alvarez JO, 663  
 Alvaro D, 2211  
 Amin S, 1665  
 Amin T, 329  
 Amoruso A, 2733  
 Ana CS, 2708  
 Anagnostopoulou E, 2507  
 Anand B(hupinder) S, 1111  
 Anand B(hupinderjit) S, 2255  
 Anderson JA, 847  
 Anding WJ, 2446  
 Ando K, 99S, 203S  
 André M, 420  
 Andre M-T, 1339  
 Andren-Sandberg A, 2610  
 Andriulli A, 715  
 Angelico M, 854  
 Anjum F, 2606  
 Annese V, 715  
 Anvari M, 506, 1133  
 Aoyagi K, 300  
 Arai F, 2071  
 Arakawa T, 4S, 5S, 61S, 78S, 90S, 99S, 134S, 203S  
 Arango V, 2322  
 Aran-Suau R, 1964  
 Arima K, 1322  
 Ariyama I, 2143  
 Arnold W, 911  
 Arpurt JP, 1124  
 Asaka M, 56S, 198S, 2473  
 Asakura H, 2071  
 Ashby AM, 2622  
 Ashley SW, 927, 2610  
 Assy N, 1317  
 Atkinson K, 1430  
 Attar A, 2479, 2649  
 Attili AF, 911, 2211  
 Aumaitre O, 420  
 Auricchio S, 156  
 Avagnina P, 51  
 Avni B, 193  
 Awazu S, 641  
 Ayabe H, 2634  
 Aydin F, 1784  
 Azuma A, 118S, 174S  
 Baba M, 766  
 Babidge W, 162  
 Backman L, 945  
 Badosa F, 2627  
 Baer HU, 1200  
 Baggous W, 540  
 Bagni A, 2489  
 Balanzó J, 2184  
 Bali J-P, 1434  
 Ballarini G, 2489  
 Ballone E, 2757  
 Balmes J-L, 1434  
 Balsiger BM, 2446  
 Bamba T, 2271  
 Banan A, 806  
 Bancel E, 1434  
 Bangerl I, 1129  
 Barish P, 534  
 Banker NA, 1465  
 Bannerjee SK, 290  
 Bar F, 51  
 Barbado J, 562  
 Barrioz T, 1566

\*S after page number indicates September Supplement.

- Barshop N, 1672  
 Bartels E, 911  
 Baruch Y, 1317  
 Basista MH, 1746  
 Bassion S, 993  
 Basson MD, 1537  
 Bassotti G, 1172  
 Bataille D, 1814  
 Battista S, 51  
 Bavaria J, 1177  
 Beatty ER, 2080  
 Beauchant M, 1566  
 Beauclair F, 1814  
 Beaugery L, 412  
 Bécheur H, 2479  
 Beckh K, 1285  
 Belanger F, 2131  
 Bellon S, 2426  
 Ben-Hamida A, 126  
 Benichou B, 1339  
 Benjaminov A, 911  
 Benson M, 675  
 Benya RV, 2439  
 Berenguer J, 1964  
 Bergasa NV, 2177  
 Berlin JA, 1177  
 Bernardi M, 2601  
 Bersentes K, 1038  
 Best L, 2727  
 Betchen SA, 1474  
 Bharavi C, 2606  
 Bhowmik A, 1507  
 Bianchi D, 1307  
 Bianchi FB, 2190  
 Bianco MA, 166  
 Biasco G, 2542  
 Biemond I, 590  
 Bigard M-A, 1629  
 Birsan T, 2455  
 Bisceglia L, 715  
 Bisceglia M, 436  
 Bisso G, 459  
 Blank M, 723  
 Bloch F, 2479, 2649  
 Blomquist L, 1547  
 Blum H-E, 1708  
 Boccia MC, 436  
 Boehnke E, 911  
 Bohbouth GE, 590  
 Boku Y, 835  
 Bolin TD, 442  
 Bolte G, 148  
 Bonapace ES, 1494  
 Bonapace ES Jr, 2363  
 Bond EF, 2093  
 Boppart SA, 1193  
 Borch K, 749  
 Borchard F, 1562  
 Borderie C, 1566  
 Borges EL, 2196  
 Börjesson M, 1621  
 Borm JJJ, 203  
 Borthwick TR, 2223  
 Borum ML, 720  
 Botash RJ, 870  
 Bouma BE, 1193  
 Bourgaux J-F, 1434  
 Bourgeon A, 1124  
 Bowes KL, 953  
 Boyce P, 1016  
 Boyer J-C, 1434  
 Bozkurt A, 1258  
 Braga AA, 2196  
 Branco Da Silveira JC, 1964  
 Brecher AS, 1746  
 Brenner B, 1537  
 Brenner DA, 1454  
 Brezinski ME, 1193  
 Briedi L, 2169  
 Broussard D, 1474  
 Brouwer J, 590  
 Brown DR, 1402  
 Bruneval P, 2649  
 Brüning A, 1362  
 Bruno MJ, 203  
 Bucaneve G, 1172  
 Büchler MW, 567, 1200, 2641  
 Büchler SS, 2641  
 Buckels JAC, 74  
 Buckley MJM, 2426  
 Buddington RK, 138  
 Bueno L, 727, 2048  
 Bulbena O, 2184  
 Burdiles P, 931  
 Burford N, 2727  
 Burr RL, 2093  
 Burruss JB, 529  
 Burt MJ, 344, 349  
 Burton DD, 258, 2373  
 Cabré E, 1071  
 Callegari I, 988  
 Camilleri M, 258, 2373  
 Campagna P, 673  
 Campagna S, 854  
 Campbell D, 779  
 Campbell DR, 290  
 Canani RB, 436  
 Cannava M, 720  
 Cantafora A, 2211  
 Capasso F, 1605  
 Capocaccia L, 335  
 Caprilli R, 2086  
 Cardilli A, 2211  
 Carey HV, 2536  
 Carey WD, 46  
 Carignani D, 816  
 Carli L, 2211  
 Caroccio A, 673  
 Caroli-Bosc C, 2131  
 Caroli-Bosc F-X, 1124, 1307, 2131  
 Carpenter P, 2411  
 Cassani F, 2190  
 Cassaro M, 988  
 Castell DO, 1513, 1973  
 Castell JA, 1513  
 Castellana S, 2733  
 Castellano A, 2757  
 Castilho LN, 943  
 Castillo FD, 265  
 Caswell C, 1964  
 Cavataio F, 673  
 Celle G, 459  
 Cerdan FO, 323  
 Cetta D, 854  
 Cetta F, 854  
 Cezard J-P, 2244  
 Chamuleau RAFM, 2267  
 Chan S-H, 2261  
 Chang C-S, 1159  
 Chang F-Y, 1794  
 Chang L, 826  
 Chang Q-D, 1652  
 Chao T-C, 21, 975  
 Chapman BA, 344, 349  
 Chapman TM, 344  
 Charlotte F, 420  
 Chawla Y, 354  
 Chawla YK, 1311, 2470  
 Chen C-M, 365  
 Chen C-Y, 1794  
 Chen G-H, 1159  
 Chen JDZ, 80, 1023, 1678, 2384  
 Chen M-F, 21, 2483  
 Chen P-C, 365  
 Chen S-H, 133

# AUTHOR INDEX

- Chen T-C, 21, 2483  
 Chen Y, 975  
 Chen YK, 1636  
 Cheng K-S, 2261  
 Cheng Y, 26  
 Cheng Y-R, 358  
 Cherian R, 290  
 Chernosky A, 335  
 Chi DS, 1211  
 Chia S-C, 2177  
 Chiba T, 8  
 Chien R-N, 21  
 Chijiwa K, 217, 2616  
 Chiloiro M, 1646  
 Ching CK, 1957  
 Chisholm RJ, 344, 349  
 Cho C-H, 1248  
 Cho SW, 72S, 235, 192S  
 Chow N-H, 2261  
 Chow WC, 1322  
 Chrysos E, 178  
 Chuang T-Y, 1794  
 Chuang W-L, 368  
 Chung CY, 2363  
 Chung MH, 72S  
 Ciccaglione FA, 2757  
 Cimmino MA, 459  
 Cipolla A, 214  
 Cipolletta L, 166  
 Cirigliano M, 1474  
 Ciubotaru RL, 1701  
 Clain JE, 2622  
 Classen M, 683  
 Clausen MR, 2696  
 Cleary B, 1356  
 Clench MH, 1347  
 Clerch L, 1964  
 Closa D, 2405  
 Cloud ML, 993  
 Clouse RE, 1057, 1951, 1978  
 Cobianchi F, 616  
 Codoceo R, 562  
 Coelho A-M, 727  
 Colantoni A, 2601  
 Colby PR, 554  
 Colin R, 1629  
 Colina F, 1755  
 Colony P, 221  
 Condom E, 1071  
 Conte R, 2542  
 Cooper BT, 1096  
 Corradini SG, 335  
 Corso MJ, 1513  
 Cortot A, 1629  
 Cox MA, 1096  
 Cox MR, 1275  
 Cozart JC, 1057  
 Crabtree JE, 46S  
 Craig RM, 1925  
 Cremer M, 911  
 Cross JM, 826  
 Csendes A, 931  
 Cubedo R, 332  
 Cucchiara S, 166  
 Cuccurullo L, 816  
 Cummings JH, 2080  
 Cynober L, 2244  
 Czaja AJ, 1322, 1725, 2149, 2190  
 Czakó L, 1770  
 D'Inca R, 988  
 D'Onofrio V, 816  
 Dajani EZ, 1806  
 Dajani NE, 1806  
 Dal Logo A, 1641  
 Daniel EE, 506, 1133  
 Danielsson D, 167S  
 Dantas RO, 246, 2567  
 Dantin S, 1307  
 David-Walek T, 1362  
 Davies R, 1537  
 Davis GL, 2493  
 Davot P, 2244  
 Dayton MT, 1806  
 De Berardinis P, 156  
 de Bornier BM, 1434  
 de Faria EC, 943  
 De Franceschi L, 2190  
 de Goeij JJM, 203  
 De Jager-Krikken A, 1501  
 DeLellis R, 2573  
 De Luca A, 1641  
 de Man RA, 2267  
 De Notariis S, 2601  
 De Santis A, 854  
 de Silva C, 166  
 de Wit NJ, 2028  
 Debert P, 1708  
 DeFaoite N, 2164  
 Deghaide NHS, 246  
 Del Favero A, 1172  
 Del Tacca M, 816  
 Delabre B, 2131  
 Delbro DS, 2061  
 Delc6 F, 1001  
 Delhay M, 911  
 Delle Monache M, 2211  
 Delmont J, 1124, 2426  
 Delmont J-P, 2131  
 Delvaux M, 1419  
 Delzenne B, 203  
 Demetris AJ, 1931  
 Derfus GA, 2622  
 Desai DC, 632  
 Deshpande Y, 806  
 Deveau C, 2131  
 Dhar DK, 2201  
 Dhawan V, 56  
 Dhiman RK, 354, 1311, 2470  
 Dhimes P, 332  
 Di Bisceglie AM, 2177  
 Di Campli C, 1226, 2601  
 di Pace C, 988  
 Dial EJ, 2750  
 Dias VC, 2227  
 Diaz de Rojas F, 1964  
 Diaz JC, 931  
 DiBaise JK, 1369  
 DiCesare J, 400  
 Dickson ER, 1292  
 Diebold M-D, 1629  
 Dieleman LA, 2518  
 Dilawari JB, 56, 354, 1311  
 DiMarino AJ Jr, 1411  
 Dixit VK, 940  
 Djurhuus C, 521  
 Doglio A, 1307  
 Doherty MA, 2255  
 Doi R, 2429  
 Doman DB, 1970  
 Domschke W, 706  
 Donadi EA, 246  
 Downey DB, 554  
 Drago L, 1752  
 Drossman DA, 400  
 Duan R-D, 26  
 Dublineau I, 652  
 DuBois RN, 311  
 Duchateau A, 1629  
 Duclos B, 412  
 Duenes JA, 2446  
 Duerkson D, 834  
 Dufour J-F, 2573  
 Dulin C, 1746  
 Dumas R, 1124, 2426  
 Duncombe VM, 442

- Dungan C, 534  
 Dunkel R, 1165  
 Dunkel RE, 683  
  
 Eaker EY, 270  
 Ebert M, 567  
 Edmunds MC III, 80  
 Efendic S, 2284  
 Egger C, 1129  
 Eghtesad B, 1931  
 Ehata T, 368  
 Ehrlein H, 2099  
 Ehrlein H-J, 1141  
 Eidsvoll BE, 911  
 Eisa H, 329  
 Eiznhamer D, 1088  
 Ejima FH, 2567  
 Elde RP, 1402  
 Eliasson T, 1621  
 Elitsur Y, 773  
 Ellis C, 1938  
 El-Salhy M, 1031  
 El-Serag HB, 1001  
 El-Zaatari FAK, 980  
 El-Zimaity HMT, 464  
 Emi K, 880  
 Enas N, 993  
 Enat R, 1317  
 Enjoji A, 2278  
 Enzan H, 2138  
 Epstein SK, 1701  
 Eskar BM, 235  
 Esposti SD, 2601  
 Esteve F, 1230, 2309  
 Esteve M, 1071  
 Eto B, 1814  
 Etoh Y, 2143  
 Etter L, 1537  
 Evangelista S, 2771  
 Evans DF, 265  
 Evers BM, 1465  
  
 Fadgyas T, 1763  
 Faigel DO, 103  
 Falcucci M, 2757  
 Fallingborg J, 702  
 FAMILONI BO, 540  
 Fantozzi P, 1332  
 Farahat K, 412  
 Farges M-C, 2244  
 Färkkilä M, 1154  
 Farnell MB, 2622  
  
 Fashir BM, 329  
 Fass R, 1038  
 Fassina MC, 1752  
 Fauchère J-L, 1629  
 Fava C, 51  
 Favrot D, 534  
 Feeley KM, 2164  
 Feifel G, 575  
 Fellermann K, 1079  
 Ferguson DA Jr, 1211  
 Ferguson R, 534  
 Fernandez MI, 2676  
 Fernández-Bañares F, 1071  
 Ferraraccio F, 816  
 Ferraro G, 616  
 Ferris CD, 1690  
 Festi D, 911  
 Festuccia F, 854  
 Fiasse R, 412  
 Figura N, 854, 2542  
 Fine KD, 2708  
 Fioramonti J, 727, 2048  
 Fisher RS, 1494  
 Fitzpatrick D, 2558  
 Flore R, 1641  
 Florio R, 2708  
 Focà A, 1488  
 Fogal TH, 791  
 Folch E, 2405  
 Fölsch UR, 2549  
 Fonti R, 2086  
 Fordtran JS, 2353  
 Fort E, 1566  
 Foss MC, 1421  
 Foster GR, 1713  
 Fox JG, 2750  
 Fraioli F, 2211  
 Frampton CM, 344  
 Francavilla A, 2733  
 Francavilla R, 2733  
 Franceschi F, 1226, 1641  
 Franzén L, 749  
 Franzini DA, 2493  
 Fredens K, 1061  
 Frederick IO, 400  
 Freedland KE, 1951  
 Freeman R, 1701  
 Friday K, 1784  
 Frieri G, 2086  
 Friess H, 567  
 Friess H, 2641  
 Fröhling S, 1200  
  
 Fryer J, 1925  
 Fuchs D, 2513  
 Fuchs GJ, 663  
 Fujii T, 835  
 Fujimoto JG, 1193  
 Fujisaki K, 1695  
 Fujishima M, 300  
 Fujita H, 754  
 Fujiwara K, 368  
 Fujiwara Y, 61S, 78S, 99S, 124S  
 Fujiyama Y, 2271  
 Fukuda K, 2526  
 Fukuda T, 61S, 78S, 99S, 134S  
 Fukushima K, 1116  
 Fukutani A, 2271  
 Funakoshi Y, 160S, 174S  
 Funasaka Y, 8  
 Funayama Y, 1116  
 Fung JJ, 1931, 2459  
 Furne J, 1938  
 Furno P, 1172  
 Furth EE, 103, 1474  
 Furukawa K, 2071  
 Furusyo N, 384, 2143  
 Futura GT, 2021  
  
 Gabb M, 847  
 Gadenstätter M, 1986  
 Gaisberg Uv, 911  
 Gallo L Jr, 1421  
 Ganesh S, 1501  
 Ganguly NK, 646  
 Ganiats TG, 46  
 Ganzález-Huix F, 1071  
 Garcés MC, 562  
 Garcia Aparicio P, 1964  
 García-Gonzalez A, 1230  
 García-Menzón C, 1755  
 Garcia-Muñoz H, 323  
 Garello E, 51  
 Gasbarrini A, 1226, 1332, 1641, 2601  
 Gasbarrini G, 1226, 1332, 1641, 2601  
 Gasoarini P, 715  
 Gassull MA, 1071  
 Gautam A, 940  
 Gelpí E, 2405, 2627  
 General Practitioner's Group of Vidauban, 2131  
 Gennari C, 854  
 Genuardo M, 2719



# AUTHOR INDEX

- Geppetti P, 2771  
 Gerbes AL, 2463  
 Gerdin B, 1061  
 Gherlinzoni F, 214  
 Ghiselli A, 1332  
 Gholson CF, 534  
 Gianfrani C, 156  
 Giannace R, 854  
 Giardiello FM, 311  
 Giardullo N, 816  
 Gibson K, 1264  
 Gideon RM, 1513  
 Gielkens HAJ, 840  
 Gigliozi A, 2211  
 Gil A, 2676, 2688  
 Gilbert J, 1973  
 Giostra E, 2577  
 Giron MD, 2688  
 Gismond MR, 1752  
 Giurgiu DI, 170  
 Glaser K, 1986  
 Glynos M, 178  
 Go MF, 980  
 Godeau B, 420  
 Godil A, 1636  
 Goenka P, 2223  
 Goldberg HJ, 1970  
 Golding MI, 1970  
 Goliger JA, 1493  
 Gombos Z, 405  
 Gómez-Cerezo J, 562  
 Gonzalez EM, 323  
 Gonzalez R, 1165  
 Gonzalez-Pinto I, 323  
 Goodgame RW, 1946  
 Goodman Z, 2177  
 Goodwin S, 675  
 Gore RM, 2659  
 Gourmelon P, 652  
 Graber H, 2641  
 Grace DM, 554  
 Graf E, 193  
 Graham DY, 464, 980, 1482, 2255, 2291  
 Gramlich T, 1831  
 Grande C, 562  
 Greben C, 1778  
 Greco L, 156  
 Greeley HG Jr, 1465  
 Greenwood B, 485  
 Greenwood-Van Meerveld B, 957  
 Gregersen H, 521, 1416, 2034  
 Griffiths AM, 609  
 Griffiths NM, 652  
 Grimaldi M, 2173  
 Grippi M, 1474  
 Grong K, 2012  
 Grossi E, 1752  
 Grossi L, 2757  
 Grosso M, 51  
 Grybäck P, 945  
 Guardia PD, 335  
 Guardiola J, 156  
 Guarino A, 436  
 Guarner C, 2184  
 Guerra V, 1646  
 Guevara L, 935  
 Gülberg V, 2463  
 Gunput D, 2715  
 Gupta A, 940  
 Gutierrez O, 2291  
 Gutniak M, 2284  
 Guzmán JA, 791  
 Ha T, 1211  
 Haagsma EB, 1719  
 Haber M, 779  
 Haddad R, 193  
 Hadengue A, 2577  
 Haga Y, 253  
 Hagar J, 405  
 Hagey RA, 1292  
 Hahn KB, 235, 192S  
 Hahn B, 2715  
 Hai DQ, 1770  
 Hajiro K, 898, 1518  
 Haklar G, 1258  
 Hall LR, 2750  
 Hällgren R, 1061  
 Halttunen J, 1102  
 Ham KB, 72S  
 Hamilton SR, 311  
 Handt LK, 1998  
 Hann H-W, 875  
 Hannestad U, 749  
 Hanson RB, 258  
 Harada K, 880  
 Harada N, 139S  
 Harano M, 547  
 Hardion M, 2131  
 Hardt PD, 1763  
 Harihara S, 203S  
 Harms G, 1501  
 Harris A, 2131  
 Harris AG, 1124  
 Harris RM, 2080  
 Harvey JR, 1275  
 Hasegawa H, 1116  
 Hashimoto N, 67  
 Hasilik A, 706  
 Hassan S, 8  
 Hastier P, 1124, 2131, 2426  
 Hatakeyama K, 1675  
 Haug C, 1285  
 Häussinger D, 1562, 2160  
 Hay B, 1285  
 Hayashi J, 384, 2143  
 Hayashi M, 641  
 Hayashi S, 56S  
 Hayden UL, 2536  
 Hays L, 335  
 Hebutterne X, 2131  
 Hecht G, 2439  
 Hegyi P, 1770  
 Heine T, 911  
 Heintges T, 1562, 2160  
 Heitkemper M, 2093  
 Heizer WD, 1791  
 Hellman K, 1746  
 Hellmich MR, 1465  
 Hellstern A, 911  
 Hellström PM, 945, 2284  
 Heneghan MA, 1356, 2164  
 Hensel F, 1562, 2160  
 Herbert O, 1339  
 Hernández-C JI, 1443  
 Hernberg S, 567  
 Herrero JI, 1186  
 Herrine SK, 586  
 Hertig V, 2093  
 Heuijerjans J, 2715  
 He-Yao W, 8  
 Hige S, 2473  
 Higuchi K, 61S, 78S, 99S, 134S, 203S  
 Hikiba Y, 1737  
 Hill V, 1285  
 Hills J, 109  
 Hinder RA, 1986  
 Hirabayashi T, 2042  
 Hirai Y, 56S  
 Hiramatsu K, 1824  
 Hirano M, 1302  
 Hirasawa R, 766  
 Hirose M, 107S  
 Ho J, 1957

- Ho KY, 1991  
 Hochberg Z, 1317  
 Hocking MP, 2493  
 Hoek FJ, 203  
 Hoes AW, 2028  
 Hoffman P, 2727  
 Hofmann AF, 203, 1292  
 Hogan DL, 120  
 Hogan JL, 1205  
 Hokari K, 198S  
 Holl J, 2463  
 Holle GE, 2666  
 Hollerbach S, 2558  
 Holmes EW, 1088  
 Holst JJ, 799, 945, 2284  
 Holton J, 2542  
 Holzbach RT, 335  
 Hong C-Y, 358  
 Hong KW, 154S  
 Honma N, 1572  
 Hoofnagle JH, 2177  
 Hopman WPM, 668  
 Höring E, 911  
 Horn T, 596  
 Horvat RT, 290  
 Hosoi M, 1241  
 Hosokawa M, 2526  
 Hosotani R, 2429  
 Hossain MI, 663  
 Hotta K, 1050  
 Hotter G, 2627  
 Hou M-C, 358  
 Hsieh L-L, 2483  
 Hsu A, 1800  
 Huang C-L, 1518  
 Huang Y-T, 358  
 Hubbard WC, 311  
 Hudoba P, 2558  
 Humbert P, 1071  
 Humphries TJ, 993  
 Hunt R, 2558  
 Hutton LC, 554  
 Hwang T-L, 2483  
 Hyland LM, 311  
  
 Iacono G, 673  
 Iannitto E, 673  
 Iaquinto G, 40S, 816  
 Iazigi N, 1421  
 Ierardi E, 2733  
 Iinuma S, 35S, 83S, 1657  
 Iishi H, 766  
  
 Ikai M, 113S  
 Ikazaki K, 898  
 Ikeda F, 766  
 Ikeda N, 1824  
 Ikeda T, 513, 971  
 Ikegami F, 1302, 1521  
 Ikeguchi M, 964  
 Ikeno T, 188S  
 Ikenoue T, 2738  
 Imagawa K, 90, 118S, 160S, 174S  
 Imai K, 2201  
 Imamura M, 2429  
 Imazeki F, 279, 368  
 Imeneo M, 1488  
 Ingrand P, 1566  
 Inoue R, 1296  
 Iorio R, 166  
 Iqbal M, 2223  
 Iqbal SJ, 2500  
 Irie M, 2278  
 Irish W, 2459  
 Irish WD, 1931  
 Iriyama K, 74  
 Isenberg JI, 120, 1205  
 Ishida K, 188S  
 Ishihara K, 1050  
 Ishii H, 148S, 181S  
 Ishii K, 893  
 Ishikawa H, 148S  
 Ishikawa T, 377  
 Ishiwata N, 971  
 Isobe J, 139S  
 Isono K, 279  
 Iso-o N, 67  
 Ito H, 203S  
 Ito M(asahiro), 2634  
 Ito M(asayoshi), 1302, 1521  
 Itoh H, 2117  
 Itoh M, 113S, 2744  
 Itoh S, 2117  
 Iwabuchi A, 2117  
 Iwabuchi H, 2317  
 Iwai A, 143S  
 Iwao H, 134S  
 Iwasaki S, 2138  
 Iwashita E, 143S  
 Iwata K, 377  
 Iwata Y, 207S  
 Izadnia F, 2055  
 Izuma M, 746  
 Izzo AA, 1605  
  
 Jabbour N, 2459  
 Jacobsen BA, 702  
 Jacobsson H, 945  
 Jacoby C, 1701  
 Jacquemont S, 1339  
 Jadius M, 40S  
 Jaffe BM, 1784  
 Jain S, 1311  
 Jakobs R, 33  
 James NV, 2379  
 Jamieson GG, 847  
 Jan YY, 2483  
 Jan Y-Y, 21  
 Janowitz P, 911  
 Jansen JBMJ, 668  
 Jarrett M, 2093  
 Jarrousse C, 1814  
 Jazrawi R(iad), 67S  
 Jazrawi R(iadh), 911  
 Jeffries MA, 229  
 Jeng L-B, 2483  
 Jennings DE, 779  
 Jennische E, 2061  
 Jensen SL, 2034  
 Jiang C, 1211  
 Jimenez P, 1230, 2309  
 Joh T, 113S, 2744  
 Johansson E, 2061  
 Johnson C, 1038  
 Johnson LF, 241  
 Johnson YL, 2659  
 Jones EA, 2267  
 Jones M, 1016  
 Jones NL, 609  
 Joo HJ, 235, 192S  
 Jørgensen J, 2696  
 Jorgensen RA, 1292  
 Joutsu T, 1507  
 Jung S-M, 975  
 Jurstrand M, 167S  
  
 Kabir I, 663  
 Kächele V, 1285  
 Kagaya H, 198S  
 Kai A, 181S  
 Kaibara N, 964  
 Kairemo K, 1154  
 Kaiser L, 1177  
 Kaji K, 1824  
 Kajiwaru K, 1572  
 Kajiyama G, 183, 921  
 Kajiyama Y, 2278

# AUTHOR INDEX

- Kakita A, 1553  
 Kakumu S, 377  
 Kalloo AN, 694  
 Kamii K, 1737  
 Kamisaka K, 1302, 1521  
 Kampherstein JA, 632  
 Kanai F, 2738  
 Kanazawa F, 1241  
 Kaneko S, 1824  
 Kanematsu T, 2278  
 Kaneshige T, 880  
 Kang JY, 1991  
 Kanno A, 746  
 Kantoci D, 1264  
 Kaplan D, 193  
 Kaplan L, 1672  
 Kaplan LM, 1701  
 Kaplan MM, 1701, 2573  
 Kaplan O, 193  
 Karam JA, 170  
 Karrenbeld A, 1501  
 Karttunen TJ, 1341  
 Käser T, 911  
 Kashima K, 1482  
 Kashiwagi S, 384, 2143  
 Kashtan H, 193  
 Kasper H-U, 567  
 Kassab-Juma W, 67S  
 Katagiri H, 1553  
 Katagiri M, 198S  
 Katano K, 964  
 Kato A, 1  
 Kato M(asahiko), 1572  
 Kato M(asayuki), 2429  
 Kato M(otosugo), 198S  
 Kato S, 2003  
 Kato T, 2744  
 Katsuyama T, 188S  
 Katz PO, 1513, 1973  
 Katzka DA, 1513  
 Kaufmann V, 33  
 Kaur U, 56  
 Kawabe T, 15  
 Kawafune T, 893  
 Kawai H, 1824  
 Kawakami Y, 384, 2143  
 Kawamura O, 1697  
 Kawanami C, 8  
 Kawasaki S, 188S  
 Kawasaki T, 2591  
 Keelan M, 2227  
 Kelly KA, 429  
 Kemeny J-L, 420  
 Keshavarzian A, 1088  
 Keto Y, 754  
 Khaled MA, 663  
 Kiernan B, 2398  
 Kikuchi K, 1697  
 Kikuchi M, 90, 118S, 160S, 174S  
 Kim CD, 154S  
 Kim H, 1042  
 Kim HJ, 1465  
 Kim J, 1925  
 Kim JG, 464, 2291  
 Kim JH, 235, 72S, 192S  
 Kim KE, 154S  
 Kim KH, 1042  
 Kim S, 134S  
 Kim YS, 235, 192S  
 Kimura N, 880  
 Kimura RE, 2322  
 Kimura Y, 300  
 Kindt MV, 1009  
 Kinoshita Y, 8  
 Kinukawa N, 384, 1241  
 Kirchmair R, 1129  
 Kishi K, 8  
 Kishihara Y, 384, 2143  
 Kita T, 1296  
 Kitahara T, 148S  
 Kitajima M, 148S  
 Kitano Y, 1824  
 Kivilaakso E, 1102, 1507  
 Kiviluoto T, 1102  
 Kiyoku Y, 2138  
 Klaassen J, 1071  
 Kleibeuker JH, 1501  
 Kleiner DE, 2177  
 Klepetko W, 2455  
 Klingler A, 1986  
 Klingler P, 1986  
 Klinkenberg-Knol EC, 1501  
 Kloer HU, 1763  
 Knauss M, 148  
 Knobell R, 943  
 Ko C-W, 1159  
 Ko JK-S, 1248  
 Kobayashi F, 513  
 Kobayashi K(enichi), 1824  
 Kobayashi K(enzo), 4S, 5S, 61S, 78S, 90S, 99S, 134S, 203S  
 Kobayashi T, 1572  
 Kobayashi Y(asuki), 1521  
 Kobayashi Y(oshimasa), 2591  
 Koch KL, 1347  
 Kocoshis SA, 2055  
 Kodama M, 2526  
 Kodama T, 1482  
 Koff J, 521  
 Kohgo Y, 90  
 Köhler L, 429  
 Kohno H, 2201  
 Koide Y, 279  
 Koizumi J, 317  
 Kojima Y(asuhiko), 2415  
 Kojima Y(oji), 1050  
 Kokoska ER, 806  
 Koletzko B, 1165  
 Koltun WA, 221  
 Komatsu Y 15  
 Komori A, 2271  
 Komukai S, 1675  
 Komuro Y, 1050  
 Kondo M(otoharu), 30S, 35S, 1657  
 Kondo M(otohatsu), 83S  
 Konishi N, 2117  
 Konishi S, 2473  
 Konno T, 392  
 Konomi H, 694  
 Korc M, 567  
 Korn O, 931  
 Korppi-Tommola T, 1154  
 Korzenik JR, 1800  
 Koskenpato J, 1154  
 Koss MA, 1205  
 Kotloff RM, 1177  
 Koudstaal J, 1501  
 Kouroumalis EA, 2507  
 Koutroubakis IE, 2507  
 Koutselinis A, 1732  
 Koutsouris S, 2439  
 Kovacs TOG, 779  
 Kowalski TR, 1402  
 Kramer L, 2455  
 Kranz A, 2455  
 Kratzer W, 1285  
 Kreft C, 2649  
 Kress O, 1763  
 Kritikos H, 2507  
 Kroser JA, 103  
 Kryswcki T, 2500  
 Ksas B, 652  
 Kubo C, 1241  
 Kubo K, 1  
 Kucharzik T, 706

- Kudo M, 198S  
 Kuipers EJ, 1501  
 Kumar A, 2606  
 Kumar M, 940  
 Kumar N(agarjuna), 2606  
 Kumar N(irmal), 1111  
 Kunz D, 1763  
 Kuo W-H, 1690  
 Kurinets A, 786  
 Kurokawa F, 1  
 Kurokawa K, 67  
 Kurokawa T, 113S  
 Kuroki T, 78S, 99S, 134S, 203S  
 Kurtel H, 1258  
 Kurtz W, 911  
 Kusano M, 1697  
 Kusano S, 317  
 Kusske AM, 927  
 Kuwabara S, 1675  
 Kuwao S, 1553  
 Kvinnsland S, 2012  
 Kwon D-H, 980
- La Notte T, 2733  
 Laffan JJ, 1211  
 Laffont C, 1307  
 Lahat N, 723  
 Lai KC, 1957  
 Lam N, 2169  
 Lam SK, 1957  
 Lambiase L, 1784  
 Lamers CBHW, 590, 840, 1501, 2296  
 Lammens P, 412  
 Lanas A, 1230, 2309  
 Landas SK, 870  
 Lange S, 2061  
 Larsen KR, 1806  
 Larsen S, 799  
 Latella G, 2086  
 Läuffer JM, 1200  
 Laughlin KV, 632  
 Lauronen J, 1102  
 Lauwers GY, 901  
 Layden TJ, 2169  
 Le Gall P, 2426  
 Le Quintrec Y, 412  
 LeBlanc R, 2727  
 Leddin DJ, 2727  
 Ledochowski M, 2513  
 Lee C-T, 1794  
 Lee KJ, 235, 72S, 192S
- Lee KR, 397  
 Lee S-D 358, 1794  
 Lee WS, 154S  
 Leen E, 2584  
 Lefebvre J-C, 1307  
 Lehman G, 1347  
 Lehtola J, 1341  
 Leipold D, 1264  
 Lenzi M, 2190  
 Lerner A, 723  
 Leuschner U, 911  
 Levanon D, 1023, 1678  
 Levin E, 40S  
 Levine AR, 2156  
 Levitt MD, 1938  
 Levoir D, 2649  
 Lewis KO, 1096  
 Lewis MPN, 927, 2610  
 Li C, 1211  
 Liang J, 863  
 Licato LL, 1454  
 Lichtenberger LM, 786, 826, 2750  
 Lichtenstein GR, 1177, 1474  
 Liem JH, 2255  
 Lin H-C, 358  
 Lin M-Y, 133  
 Lin P-W, 2261  
 Lin X, 1678, 2384  
 Lin X-Z, 2261  
 Lin ZY, 80  
 Lindmark T, 1547  
 Lindor KD, 1292  
 Lipari MG, 673  
 Lipson DA, 1177  
 Little MPG, 2164  
 Liu J-B, 2363  
 Liu Y, 1264  
 Lloyd-Still J, 2322  
 Locke GR III, 258  
 Lodder AC, 2028  
 Loffeld RJLF, 2296  
 Loffredo S, 2601  
 Lohmann J, 911  
 Lonardo A, 2489  
 Long WB, 1177  
 Longo G, 988  
 Lönnroth I, 2061  
 Lonovics J, 1770  
 Loo AT, 2156  
 López-Botet M, 1755  
 Lorient M-A, 2479  
 Löser Chr, 2549
- Low PA, 2373  
 Lu C-L, 1794  
 Ludwig D, 1079, 1362  
 Lügering A, 706  
 Lügering N, 706  
 Luketich J, 1665  
 Luley C, 1763  
 Lustyk MK, 2093  
 Lutsman PJ, 1951  
 Lux G, 911  
 Luzza F, 1488
- MacSween RNM, 2584  
 Maddrey WC, 875  
 Madl C, 2455  
 Madsen KL, 2227  
 Maeda S, 2738  
 Maeda T, 2138  
 Maekawa T, 8  
 Maeta M, 964  
 Mafune K-I, 2738  
 Mahoney D, 2727  
 Maisawa S, 392  
 Majano PL, 1755  
 Majka JA, 1009  
 Maki T, 1572  
 Mäkinen M, 1341  
 Makino H, 2415  
 Malatesta MG, 2757  
 Maleki D, 2373  
 Maletta M, 1488  
 Malfertheiner P, 567  
 Maluenda F, 931  
 Man WK, 126  
 Mancini F, 1332  
 Mannheimer C, 1621  
 Manousos ON, 2507  
 Mansi G, 2719  
 Marcheggiano A, 2086  
 Marcheix J-C, 420  
 Mårdh S, 749  
 Margeli AP, 1732  
 Maricic N, 23S  
 Marin Neto JA, 2567  
 Marks IN, 2764  
 Marques dos Santos R, 2149  
 Marrazza E, 2733  
 Marrero JA, 2439  
 Martin P, 875  
 Martinez J, 1814  
 Martí-Ragué J, 1071  
 Marumo F, 513, 971

# AUTHOR INDEX

- Maruta F, 188S  
 Marutani M, 2473  
 Marzio L, 2757  
 Masamune O, 2117  
 Masclee AAM, 840  
 Mascolo N, 1605  
 Maselli MA, 1685  
 Mason RA, 1285  
 Massari I, 1641  
 Massie D, 540  
 Mastushima K, 174S  
 Mathan MM, 2111  
 Mathan VI, 2111  
 Mathew G, 847  
 Mathias JR, 1347  
 Matkovics B, 1770  
 Matkowskyj KA, 2439  
 Maton PN, 485  
 Matsuda M, 1824  
 Matsuda T, 863  
 Matsufuji H, 2042  
 Matsui H, 476  
 Matsumoto H, 207S  
 Matsumura F, 863  
 Matsumura M, 1737  
 Matsuno S, 1116  
 Matsuo K, 41, 1695  
 Matsushima K, 2071  
 Matsushima Y, 8  
 Matsushita E, 1824  
 Matsushita M(ikiko), 2271  
 Matsushita M(itsunobu), 898, 1518  
 Matsusue S, 1518  
 Matsuyama K, 83S  
 Maurer CA, 1200  
 Maurer CA, 2641  
 Mayberry JF, 2500  
 Mayer AD, 74  
 Mayle JE, 908  
 Mazzearella G, 156  
 McBurney MI, 1526  
 McCallum R(ichard) W, 2398  
 McCallum RW, 80  
 McCarthy CF, 1356  
 McCracken JD, 1264  
 McCutcheon MJ, 663  
 McDonald TJ, 1133  
 McDonnell WM, 229  
 McGuirk SM, 2536  
 McIver CJ, 442  
 McMaster P, 74  
 McRorie J, 738, 957  
 McVey M, 109  
 Mehta A, 646  
 Mela GS, 459  
 Mele MR, 459  
 Memeo V, 2719  
 Méndez-Sánchez N, 935  
 Menegatti M, 2542  
 Meneghelli UG, 2567  
 Mentha G, 2577  
 Mercer DW, 468, 826  
 Merion RM, 229  
 Meshkinpour H, 2379  
 Metz DC, 103, 1177  
 Metzdorf I, 148  
 Meunier M-T, 2244  
 Meuwissen SGM, 2518  
 Michaletz PA, 2255  
 Michielsen PP, 1719  
 Miedema BW, 429  
 Miglioli M, 2542  
 Mignon M, 412  
 Miki C, 74  
 Millard S, 162  
 Miller LS, 2363  
 Miller TA, 468, 806  
 Miller VM, 2446  
 Mimura H, 2317  
 Mine K, 1241  
 Miner P, 485  
 Mineyama Y, 1264  
 Minocha A, 1835  
 Mintchev MP, 953  
 Miranda LA, 1411  
 Mirza DF, 74  
 Mitolo CI, 2719  
 Mitolo-Chieppa D, 2719  
 Mitsuyama K, 41, 1695  
 Miura H, 183  
 Miura S, 148S, 181S  
 Miyake H, 921  
 Miyamoto T, 2744  
 Miyazaki J-I, 2429  
 Mizukami Y, 2392  
 Mochizuki T, 1814  
 Mohiuddin MA, 1513  
 Mohr L, 1562, 2160  
 Moisan J-P, 1339  
 Molina T, 2649  
 Molinaro N, 2190  
 Molino G, 51  
 Monno RA, 2733  
 Montagnani M, 2719  
 Montalto G(iuseppe), 673  
 Montalto G, 854  
 Montanari L, 1332  
 Moore J, 162  
 Moore JG, 1806  
 Moore SB, 2149  
 Morelli A, 1172  
 Moreno-González E, 1755  
 Moreno-Otero R, 1755  
 Mori K, 2738  
 Mori M(asanobu), 547  
 Mori M(asatomo), 1697  
 Mori M(ikiji), 181S  
 Moribe T, 880  
 Morisaki T, 2616  
 Morita M, 2138  
 Moriwaki H, 1572  
 Moriyama A, 2744  
 Morris AJ, 2584  
 Morrow D, 679  
 Morshed SA, 1322  
 Mortensen PB, 2696  
 Moseley RH, 229  
 Moser AJ, 170  
 Motoo Y, 2415  
 Mourani S, 1946  
 Mouzas IA, 2507  
 Movahedi H, 2379  
 Mucche R, 1285  
 Mukaida N, 174S  
 Mulder KE, 2227  
 Müller C, 2455  
 Mullin JM, 632  
 Muñoz SJ, 875  
 Murakami K(azuhiro), 746  
 Murakami K(azunori), 139S  
 Murakami T, 1  
 Muramatsu H, 754  
 Muratori L, 2190  
 Murray ED Jr, 1264  
 Murray M, 1356  
 Murtaugh MP, 1402  
 Murthy UK, 870  
 Muto T, 306  
 Muto Y, 1572  
 Myers JC, 847  
 Myrie-Williams C, 720  
 Nabeshima A, 384  
 Nachbauer K, 1129  
 Nagano C, 118S



- Nagasaka A, 2473  
 Nagasue N, 2201  
 Nagawa H, 306  
 Nagura T, 1737  
 Naito H, 1116  
 Naito S, 2634  
 Naito Y, 30S, 35S, 83S, 1657  
 Nakagoe T, 2634  
 Nakamura E, 476, 2301  
 Nakamura H, 2526  
 Nakamura K(azumi), 1697  
 Nakamura K(en), 880  
 Nakamura S, 300  
 Nakamura T, 2317  
 Nakamura Y, 253  
 Nakatani H, 207S  
 Nakatsura T, 253  
 Nami N, 2379  
 Nanashima A, 2634  
 Nandy I, 534  
 Napolitano G, 715  
 Nardini M, 1332  
 Näslund E, 945  
 Natale G, 816  
 Navarro E, 1071  
 Neace C, 773  
 Nebiki H, 99S, 203S  
 Neff G, 534  
 Negro F, 2577  
 Neubrand M, 911  
 Newell B, 397  
 Ng H-S, 1322  
 Ng WL, 1991  
 Niederau C, 1562, 2160  
 Nielsen OH, 596  
 Niemelä S, 1341  
 Nieto N, 2676  
 Nieto N, 2688  
 Nikuoka N, 207S  
 Nilsson Å, 26  
 Ninet J, 420  
 Niro AG, 51  
 Nishida R, 1296  
 Nishikawa K, 198S  
 Nishimaki T, 1675  
 Nishimori I, 2138  
 Nishimura M, 2271  
 Nishino T, 754  
 Nishinomiya F, 392  
 Nishioka M, 1322  
 Nisicò S, 1488  
 Nita ME, 306  
 Noguchi O, 513  
 Norrsell H, 1621  
 Northfield T, 67S  
 Northfield TC, 911  
 Noshiro H, 217  
 Notarbartolo A, 673  
 Novella MT, 2184  
 Nucera E, 1226  
 Numans ME, 2028  
 Nusbaum M, 1411  
 Nuutinen H, 335  
 Nyberg L, 1205  
 O'Gorman TA, 1356, 2164  
 O'Keefe SJD, 2764  
 Odashima M, 2117  
 Oderda G, 2542  
 Oenning L, 2373  
 Oezcueruemez-Porsch M, 1763  
 Oga A, 1  
 Ogasawara T, 188  
 Ogawa M, 253, 863  
 Ogden J, 2764  
 Oguma K, 56S  
 Ogunji F, 2708  
 Ogura K, 2738  
 Ohashi A, 8  
 Ohkuni A, 300  
 Ohmoto Y, 160S, 174S  
 Ohmura K, 1737  
 Ohnishi H, 1572  
 Ohyama T, 1521  
 Ojetti V, 1226, 1641  
 Oka T, 67  
 Okabe H, 139S  
 Okabe K, 863  
 Okabe S, 476, 754, 2301  
 Okada A, 8  
 Okado N, 2429  
 Okajima K, 139S  
 Okajima T, 893  
 Okano K, 1737  
 Okayama N, 2744  
 Okazaki K, 1518  
 Okita K, 1, 887  
 Okumura A, 377  
 Okumura M, 880  
 Okumura T, 90  
 Okuno M, 1572  
 Olaison G, 1547  
 Oli MW, 138  
 Oliveira RB, 1421  
 Olschewski M, 1708  
 Olsen O, 799  
 Olt GJ, 221  
 Öman H, 1547  
 Omata M, 15, 368, 1737  
 Omata M, 2738  
 Onishi S, 2138  
 Onji M, 2392  
 Ono T, 2201  
 Onomura M, 2526  
 Orons P, 2459  
 Orr WC, 241, 2384  
 Orsini M, 911  
 Ortiz J, 2184  
 Osada T, 107S  
 Osaka T, 125S  
 Osato MS, 464, 2291  
 Osinski MA, 1402  
 Ostrovskiy DA, 2439  
 Otaka M, 2117  
 Otani S, 2117  
 Otani Y, 148S  
 Ou C-N, 1946  
 Øvrebø KK, 2012  
 Oyake Y, 392  
 Ozeki K, 2278  
 Paavonen T, 1507  
 Pacenti L, 854  
 Pacheco II, 2117  
 Padbury RTA, 1275  
 Padda S, 1038  
 Pagano AP, 497, 2237  
 Pai R, 14S  
 Paimela H, 1507  
 Pakarinen M, 1102  
 Palevsky HI, 1177  
 Pallone F, 1488  
 Palmen MJHJ, 2518  
 Paluccio G, 1488  
 Pampusch MS, 1402  
 Pandey M, 940  
 Pansu D, 1814  
 Papo T, 420  
 Pappa K, 485  
 Pardo F, 1186  
 Parentoni LS, 943  
 Parisi M, 459  
 Park PK, 586  
 Parkman HM, 2237  
 Parkman HP, 497, 1494, 2363  
 Parodi MC, 816

# AUTHOR INDEX

- Parveen S, 1322  
 Pasricha PJ, 694  
 Passini R, 943  
 Pastor C, 1071  
 Patel AG, 2610  
 Paterson CA, 506, 1133  
 Patriarca G, 1226  
 Patrick DL, 400  
 Patsch JR, 1129  
 Paul F, 911  
 Peck OC, 1443  
 Pedersen P, 702  
 Pedram A, 40S  
 Pelot D, 2411  
 Pemberton JH, 2373  
 Peña AS, 2518  
 Penissi AB, 791  
 Pepple S, 738  
 Peralta C, 2627  
 Perdakis DA, 1537  
 Perng C-L, 464, 980  
 Perticone F, 1488  
 Peten EP, 2131  
 Peter CP, 1009, 1998  
 Peters FTM, 1501  
 Petersen JAK, 521  
 Peterson JL, 1791  
 Petinaki E, 2507  
 Petite J-P, 2479  
 Petroianu A, 2196  
 Petry W, 1562  
 Petschow BW, 138  
 Pezzolla F, 1685  
 Phillips SF, 429  
 Pi F, 2627  
 Piazzuelo E, 1230, 2309  
 Piepoli A, 715  
 Piepoli AL, 1685  
 Piette J-C, 420  
 Piezzi RS, 791  
 Pignodel C, 1434  
 Pileri S, 214  
 Pilhall M, 1621  
 Pitcher MCL, 2080  
 Pivari M, 459  
 Plusczyk T, 575  
 Pointud P, 420  
 Poirey S, 1434  
 Pola P, 1226, 1641  
 Pola R, 2601  
 Polge A, 1434  
 Pollack J, 2659  
 Poonyachoti S, 1402  
 Pope AJ, 109  
 Poriz LS, 221  
 Porst H, 911  
 Porter J, 2708  
 Porter JL, 2353  
 Porto A, 2149  
 Pospai D, 412  
 Potenza MA, 2719  
 Prakash A, 940  
 Prakash C, 1951  
 Pratha V, 1205  
 Prieto J, 1186  
 Prokopiw I, 1430  
 Puder KL, 400  
 Puet T, 1831  
 Pulimood AB, 2111  
 Pursnani KG, 1513  
 Quadri R, 2577  
 Quartero AO, 2028  
 Quiggle D, 1264  
 Quigley EM, 624  
 Quigley EMM, 1369  
 Quiroga J, 1186  
 Raab Y, 1061  
 Rabeprazole Study Group, 993  
 Raguene O, 1339  
 Raicht RF, 2652  
 Raimondo M, 2622  
 Ramia JM, 332  
 Ramos E, 1071  
 Ramos MH, 935  
 Rampal P, 2131  
 Rapier RC, 1205  
 Rasch MC, 1719  
 Ratheiser K, 2455  
 Rathgeb D, 575  
 Rath-Harvey DM, 2373  
 Rattan G, 854  
 Raul F, 2244  
 Reber HA, 927, 2610  
 Reber PU, 927, 2610  
 Reedy DW, 2156  
 Rehfeld JF, 799  
 Reimund C, 412  
 Reiser M, 2463  
 Renault S, 1339  
 René E, 412  
 Renzing K, 265  
 Rerknimitr R, 679  
 Rezeig MA, 329  
 Rhim BY, 154S  
 Ricat E, 2184  
 Ricci C, 2542  
 Ricci P, 1292  
 Richardson S(tewart), 109  
 Richardson S(ylvia), 1629  
 Richter J, 779  
 Richter JE, 95  
 Rieckenberg CL, 806  
 Riemann JF, 33  
 Rietbroek RC, 2267  
 Riezu-Boj JI, 1186  
 Riezz G, 1646, 1685  
 Rinaldi M, 2719  
 Rinaldi R, 2719  
 Rinker RD, 1784  
 Riordan SM, 442  
 Ríos A, 2676  
 Ro S, 2317  
 Robert ME, 1800  
 Robinson CR, 311  
 Robinson M, 485, 1347  
 Robinson RJ, 2500  
 Roda E, 911  
 Rodier G, 1814  
 Rodrigo L, 1964  
 Rodríguez J, 2184  
 Rodríguez S(arbelio), 1755  
 Rodríguez S(heila), 485  
 Rodríguez-M JV, 1443  
 Rodríguez-M MA, 1443  
 Roediger W, 162  
 Roelofs JMM, 491  
 Roessner A, 567  
 Rognerud C, 1946  
 Roifman CM, 609  
 Rolny P, 1621  
 Romano W, 1430  
 Romeo R, 2211  
 Romero JJ, 2750  
 Roncoroni L, 616  
 Rosa-e-Silva L, 1421  
 Rose P, 779  
 Rosello J, 2184  
 Roselló-Catafau J, 2405, 2627  
 Rosenbusch G, 668  
 Roslyn JJ, 170  
 Ross AG, 344, 349  
 Rössle M, 1708  
 Rothstein R, 1347  
 Rousset H, 420

- Rouzade M-L, 2048  
 Rubbia-Brandt L, 2577  
 Rubin BM, 1970  
 Rubin R, 875  
 Rubino A, 436  
 Rudolph C, 738, 957  
 Rugge M, 988  
 Ruggiero FM, 221  
 Ruiz-Delgado FC, 323  
 Rushant B, 109  
 Ryan JP, 497, 2237
- Sàbat M, 2184  
 Sabattini E, 214  
 Saccone GTP, 1275  
 Sadahiro S, 641  
 Sadiq R, 1946  
 Saeed ZA, 2255  
 Sagarad SV, 2470  
 Saibara T, 2138  
 Saigenji K, 1050  
 Saint-Paul MC, 1124  
 Saisho H, 279, 368  
 Saito H, 964  
 Saito M, 2473  
 Saitou T, 2526  
 Sakai N, 766  
 Sakai S, 1518  
 Sakaida I, 887  
 Sakamoto S, 513, 971  
 Saksela O, 1507  
 Sakurai K(azushi), 125S  
 Sakurai K(enji), 2042  
 Sakurai Y, 1302, 1521  
 Šalamon V, 911  
 Sallustio JE, 270  
 Sambuy Y, 2086  
 Sameshima H, 253  
 Samimi F, 1931  
 Sammett D, 1778  
 Sampliner RE, 1038  
 Samsom M, 491  
 Sanden Hv, 911  
 Sandha GS, 2727  
 Sandor Z, 40S  
 Sangro B, 1186  
 Sano N, 188  
 Santa Ana CA, 2353  
 Santa N, 354  
 Santrach PJ, 2149  
 Sanz C, 2627  
 Sanz RG, 323
- Sanz Torre E, 1226  
 Sarnat BG, 1672  
 Sarosiek I, 2398  
 Sarr MG, 2446  
 Sasahara H, 2117  
 Sasaki E, 83S  
 Sasaki I, 1116  
 Saslow SB, 258  
 Sata M, 41  
 Sato C, 513, 971  
 Sato F, 198S  
 Sato N(obuhiro), 107S  
 Sato N(orihiro), 2616  
 Sauerbruch T, 911  
 Savarino V, 459  
 Sawabu N, 2415  
 Sawayama Y, 384, 2143  
 Sayeed-Shah U, 1778  
 Scaccini C, 1332  
 Scafato E, 2211  
 Schellekens H, 1719  
 Schenk P, 2455  
 Scheurer U, 1200  
 Schiavino D, 1226  
 Schiller LR, 2353  
 Schloithe AC, 1275  
 Schmeck-Lindenau HJ, 911  
 Schmidt J, 420  
 Schmitt W, 911  
 Schmücker G, 1362  
 Schnell-Kretschmer H, 1763  
 Schomerus H, 911  
 Schönfeld Jv, 265  
 Schulte-Frohlinde E, 1713  
 Schulz HU, 1763  
 Schusdziarra V, 1165  
 Schwarz S, 1708  
 Scott GV, 901  
 Scotto G, 2173  
 Seino Y, 2526  
 Seium Y, 2577  
 Sekiguchi T, 1697  
 Sekine I, 2634  
 Selby RR, 2459  
 Selod S, 2379  
 Seno K, 113S  
 Serio M, 2719  
 Serna H, 2750  
 Serricchio M, 1641  
 Seta T, 279  
 Seth AK, 1311  
 Sezai S, 1302, 1521
- Sharma HM, 1443  
 Shay SS, 95  
 Sheikh MY, 529  
 Sherman P, 609  
 Shibata C, 2446  
 Shibata Y, 253  
 Shiffman ML, 335  
 Shijo H, 880  
 Shima Y, 547  
 Shimada Y, 2429  
 Shimazaki T, 641  
 Shimazu M, 148S  
 Shimizu S, 2616  
 Shimoda A, 1824  
 Shindo Y, 174S  
 Shiratori Y, 15, 1737  
 Shiratori Y, 2738  
 Shirota Y, 1824  
 Shoenfeld Y, 723  
 Shoenut JP, 834  
 Shoji E, 90  
 Short JP, 773  
 Shukla VK, 940  
 Shurina RD, 632  
 Siegal A, 193  
 Siegerstetter V, 1708  
 Siemens A, 1362  
 Silvain C, 1566  
 Silverstein FE, 447  
 Simões MV, 2567  
 Simoncini M, 2601  
 Simonichi M, 1332  
 Simons RM, 632  
 Singh N, 1190  
 Singh S, 646  
 Sinn I, 911  
 Sitland TD, 2727  
 Sittig K, 534  
 Sivri B, 2398  
 Sjödstedt C, 749  
 Skaltsas SD, 1732  
 Skornick Y, 193  
 Sluiter WJ, 1501  
 Smith CD, 429  
 Smith GS, 468, 806  
 Smith MB, 679  
 Smith SM, 1998  
 Smok G, 931  
 Smorenburg S, 2267  
 Smout AJPM, 491, 2028  
 Snape WJ, 1347  
 Snelling TL, 1275

# AUTHOR INDEX

- Söderholm JD, 749, 1547
- Sodhi S, 1411
- Soesatyo M, 2518
- Soinila S, 1102
- Sola I, 1186
- Solís JA, 1755
- Song M, 1493
- Sonnenberg A, 1001
- Sontoliquido A, 1641
- Sørbye H, 2012
- Soriano G, 2184
- Southern JF, 1193
- Soykan I, 2398
- Spagnuolo MI, 436
- Spalluto F, 51
- Spångéus A, 1031
- Spannhake EW, 311
- Spencer J, 126
- Sperner-Unterweger B, 2513
- Spiethoff A, 33
- Spiliopoulou C, 1732
- Sreenivas DV, 2606
- Srinivasan R, 908, 1835
- Stahl M, 1079, 1362
- Staiano A, 1978
- Stain C, 2455
- Stange EF, 1079, 1362
- Starzl TE, 1931
- Stein H, 706
- Steinbach G, 2291
- Stern M, 148
- Sternby B, 799
- Stickel A, 953
- Stiris MG, 2572
- Stockmann A, 2099
- Stoll R, 706
- Stonerook MJ, 1443
- Storkholm JH, 2034
- Stötter H, 1719
- Strapko A, 870
- Strock P, 1566
- Strohm WD, 911
- Stumpf J, 911
- Sturniolo G, 988
- Su J, 679
- Su W-C, 2261
- Suarez MD, 2676, 2688
- Suematsu M, 181S
- Sugano S, 893
- Sugiyama A, 188S
- Sugiyama T, 56S, 198S
- Sugyo S, 880
- Sukegawa M, 198S
- Sun Y-N, 2261
- Sunaga S, 67
- Suzuki H(idekazu), 181S
- Suzuki H(irosi), 41, 74
- Suzuki M, 181S
- Suzuki T(akao), 279
- Suzuki T(sutomu), 1675
- Svanes K, 2012
- Svanvik J, 335
- Swobodnik W, 911
- Szabo S, 816, 40S
- Szilagyí A, 39
- Tada M, 15
- Takács T, 1770
- Takada G, 392
- Takahashi K-I, 1116
- Takahashi M, 2738
- Takahashi N, 90
- Takahashi S(atoru), 476, 754, 2301
- Takahashi S(huji), 35S
- Takahashi T(oru), 2071
- Takahashi T(oshio), 207S
- Takahashi T(suyoshi), 1553
- Takaishi O, 78S, 99S, 134S
- Takakuwa H, 898
- Takamura N, 893
- Takayanagi M, 377
- Takeda H, 198S, 1518
- Takemoto T, 3S
- Takemoto Y, 2201
- Takemura T, 35S
- Takenaka K, 887
- Takeuchi K, 2003
- Takeuchi T, 2744
- Takikawa H, 188
- Takimoto Y, 1296
- Takizawa H, 174S
- Talley NJ, 1016
- Tanaka A, 67
- Tanaka H, 107S
- Tanaka M(asao), 694, 2616
- Tanaka M(iho), 134S
- Tanaka N, 547
- Tanikawa K, 41, 1695
- Tanimura M, 253
- Tappenden KA, 1526
- Tarnawski A, 5S, 14S, 61S, 90S
- Tarugi P, 2489
- Tashima Y, 2117
- Tatsuta M, 766
- Tauschel H-D, 26
- Tawfik O, 397
- Tazawa Y, 392
- Tazuma S, 183, 921
- Tearney GJ, 1193
- Tefend KS, 1443
- Temme H, 1763
- ter Borg F, 2267
- Teran JC, 46
- Terasaki S, 1824
- Teratani T, 15
- Theocharis SE, 1732
- Theodorsson E, 945
- Thimister PWL, 668
- Thomas E, 1211, 2223
- Thomas MC, 442
- Thomforde GM, 258
- Thompson JC, 1465
- Thompson JS, 624
- Thomson ABR, 2227
- Thumshirn M, 258
- Tilberg AF, 221
- Tino G, 1177
- Tiszlavicz L, 1770
- Todd KE, 927
- Toesland CDN, 109
- Tokushima K, 513, 971
- Tolessa T, 2284
- Toma H, 694
- Tominaga K, 78S, 134S
- Tominaga O, 306
- Tomita A, 2138
- Tomita M, 641
- Tondi P, 1641
- Toouli J, 1275
- Torchio M, 51
- Torres MI, 2676
- Torres-Pinedo RB, 2384
- Torri T, 616
- Tougas G, 2558
- Townsend CM Jr, 1465
- Toyama MT, 927
- Toyonaga A, 1695
- Tozuka S, 513, 971
- Tramontana M, 2771
- Trevisani F, 2601
- Troncon LEA, 1421
- Troncone R, 156
- Tsai C-J, 1226
- Tsang T-K, 2659
- Tsia C-J, 2251

- Tsiaoussis I, 178  
 Tsuchimoto D, 174S  
 Tsuda K, 2138  
 Tsuge H, 547  
 Tsugiki M, 2591  
 Tsujitani S, 964  
 Tsukada H, 2526  
 Tsunematsu I, 2473  
 Tsuneyoshi M, 300  
 Tsushima Y, 317  
 Tumminello M, 673  
 Tworek JA, 229  
 Tytgat GNJ, 203  
 Tzovaras G, 178  
  
 Ubalducci GM, 214  
 Uchida M, 2201  
 Uchida T, 78S, 99S, 203S  
 Uchimura Y, 41  
 Ukawa H, 2003  
 Unno Y, 317  
 Upton ARM, 2558  
 Ura K, 2278  
 Urabe T, 1824  
 Uribe M, 935  
 Usami A, 2392  
  
 V/der Putten ABMM, 2296  
 Vaghi I, 1752  
 Vainer B, 596  
 Vaira D(ino), 854  
 Vaira D, 2542  
 Vajro P, 166  
 Valla D, 2479  
 van Berge Henegouwen GP, 491  
 van Buuren AHJAM, 1719  
 van der Sluys Veer A, 590  
 van Dijck CMM, 1719  
 van Hattum J, 1719  
 van Huynh J-PD, 2649  
 van Leeuwen DJ, 203  
 van Rees EM, 2518  
 van Royen EA, 203  
 van Zanten SJOV, 2727  
 Vandercam B, 412  
 Varga ISz, 1770  
 Vargas-Vorackova F, 935  
 Vassilakis JS, 178  
 Vasson M-P, 2244  
 Vauthey JN, 901  
 Vaziri ND, 2411  
 Vázquez J-J, 562  
  
 Veen J, 1547  
 Veenendaal RA, 2296  
 Vega H, 935  
 Vegnente A, 166  
 Venderwerf RJ, 554  
 Vento P, 1102  
 Ventrucci M, 214  
 Vera S, 540  
 Verspaget HW, 590  
 Vezina WC, 554  
 Villadsen GE, 2034  
 Villaneuva C, 2184  
 Vincze A, 40S  
 Vindigni C, 854  
 Vinter-Jensen L, 521  
 Violi V, 616  
 Vital-Durand D, 420  
 Viudes F, 2131  
 Vogel W, 1129  
 Volta U, 2190  
  
 Wada I, 2117  
 Wadwa KS, 1690  
 Waggershauer T, 2463  
 Wahl BR, 2641  
 Wakabayashi G, 148S  
 Wakabayashi T, 2415  
 Wakebe H, 90  
 Wakebe H, 118S  
 Wakefield D, 442  
 Wald A, 1665  
 Walsh KM, 2584  
 Walsh RM, 335  
 Wan J-L, 1652  
 Wang C-L, 1652  
 Wang H-J, 694  
 Wang X-E, 107S  
 Wang Z-S, 2021  
 Ward RP, 554  
 Waring RH, 2080  
 Wat PJ, 1636  
 Watanabe H, 1675  
 Watanabe M, 893  
 Watanabe S(huichi), 2042  
 Watanabe S(umio), 107S  
 Watanabe T(oshio), 61S, 78S, 134S  
 Watanabe T(suyoshi), 67  
 Watson DI, 847  
 Watson M, 2715  
 Weber E, 1141  
 Weber PA, 170  
  
 Wechsler JG, 911  
 Wechsler RJ, 586  
 Wechter WG, 1264  
 Wenzl HH, 2353  
 Werdmuller BFM, 2296  
 Werkman RF, 540  
 Wershil BK, 2021  
 West SEH, 2536  
 Westerberg S, 875  
 Westermann S, 575  
 Weston AP, 290  
 Westphal S, 1763  
 Wetscher GJ, 1986  
 Wettergren A, 799  
 White NF, 554  
 Whitehead WE, 1419  
 Wieschemeyer T, 1986  
 Wiley TE, 2169  
 Williams C, 335  
 Wilson A, 2379  
 Wilson IR, 344  
 Winchester CB, 2255  
 Winde G, 706  
 Wingate DL, 265  
 Winter T, 2764  
 Wørdemann M, 799  
 Wolters S, 2549  
 Wong BCY, 1957  
 Wong CT, 2055  
 Wong RF, 2363  
 Woo J-S, 980  
 Wood JD, 1443  
 Woodward ER, 2493  
 Wright RA, 529  
 Wu M-J, 1159  
 Wurbs D, 911  
  
 Xynos E, 178  
  
 Yaffe CS, 834  
 Yagi N, 83S  
 Yakabi K, 2317  
 Yamada M, 746  
 Yamada S, 863  
 Yamaguchi H, 2634  
 Yamaguchi K, 2616  
 Yamaguchi Y, 863  
 Yamakuni H, 2003  
 Yamamoto Y(oshihiro), 1302  
 Yamamoto Y(oshiya), 2473  
 Yamanaka M, 188  
 Yamane T, 207S



# AUTHOR INDEX

- |                                  |                                      |                     |
|----------------------------------|--------------------------------------|---------------------|
| Yamaoka Y, 1482                  | Yokosuka O, 279, 368                 | Yuh K, 880          |
| Yamasaki K, 78S, 99S, 125S, 134S | Yokota K, 56S                        | Yüksel M, 1258      |
| Yamashita G, 183, 335            | Yokota Y, 766                        |                     |
| Yamazoto T, 547                  | Yokoyama H, 1824                     | Zajko A, 2459       |
| Yan S, 2715                      | Yokoyama J, 2042                     | Zanaldi H, 2131     |
| Yang G, 1307                     | Yokoyama Y, 113S                     | Zauner C, 2455      |
| Yang H, 1493                     | Yong SL, 1088                        | Zeitoun P, 1629     |
| Yang VW, 311                     | York EA, 2622                        | Zelante L, 715      |
| Yang XL, 1957                    | Yoshida H, 2738                      | Zentilin P, 459     |
| Yao B, 120                       | Yoshida M, 148S                      | Zhang T, 2764       |
| Yasunaga M, 887                  | Yoshida N, 30S, 35S, 83S, 1657       | Zhou D, 1493        |
| Yatscoff RW, 2227                | Yoshikawa T, 5S, 30S, 35S, 83S, 1657 | Zhou XJ, 2411       |
| Yegen BC, 1258                   |                                      | Zhu GH, 1957        |
| Yeh T-S, 21, 2483                | Yoshimi T, 2591                      | Zhuravkov A, 1537   |
| Yen C-L, 133                     | Yoshioka K, 377                      | Zilberberg MD, 1701 |
| Yeo KHJ, 349                     | Yoshitake S, 880                     | Zimmermann A, 1200  |
| Yeoh KG, 1991                    | Young MF, 2223                       | Zoubine DR, 290     |
| Yim H, 235                       | Younoussi ZM, 46                     | Zwaan M, 1362       |
| Yokohata K, 694, 2616            | Yuen ST, 1957                        |                     |

## Subject Index to Volume 43\*

- 33-35 K antigen, *Helicobacter pylori* and, 1482  
 4-Methylpyrazole, gastric protection, ethanol and, 816  
 5-HIAA, urinary expression, tubuvillous adenoma and, 1474  
 5-HT<sub>1A</sub> receptors, gastric sensitivity and, in rats, 2048  
 6-mercaptopurine, myeloblastic leukemia and, 1791  
  
 α<sub>1</sub>-antitrypsin deficiency, type 1 autoimmune hepatitis and, 1725  
 β<sub>2</sub>-microglobulin, liver allograft rejection and, 1755  
 β-glucuronidase, inflammatory bowel disease and, 706  
  
 Absorption, small intestine transplantation and, 1925  
 Abstracts  
     3<sup>rd</sup> International Symposium on Experimental & New Therapeutic Approaches to Ulcer Disease, Pécs, Hungary, July 23-25, 1998, 2337  
     12<sup>th</sup> International Symposium on Regulatory Peptides, Mackinac Island, Michigan, September 16-20, 1998 1847  
     American Motility Society 10<sup>th</sup> Biennial Meeting, Philadelphia, Pennsylvania, August 19-23, 1998, 1583  
 Acetaldehyde  
     antithrombin III and, 1746  
     coagulation protein V and, 1746  
 Acetic acid-induced lesions, heat-shock proteins and, in rats, 2117  
 Achalasia, pneumatic dilation and, 1973  
 Acid clearance  
     manometry and, 95  
     reflux events and, 95  
 Acid inhibitors, gastric carcinoma and, 253  
 Acid secretion  
     Interleukin-8, tetragastrin and, 2317  
     portal hypertension and, in rats, 51  
 Activated protein C resistance  
     atrial thrombosis and, 1362  
     inflammatory bowel disease, and, 1356  
  
     ischemic colitis and, 1362  
     thrombophilia and, 1356  
 Acute hepatitis, vascular endothelial growth factors and, 41  
 Acute infectious diarrhea, rectal mucosal mast cells and, 2111  
 Acute pancreatitis  
     obesity and, 2251  
     octreotide, glucose intolerance and, 193  
     penicillin and 1778  
 Adenine arabinoside monophosphate, HBV, autoimmune hepatitis and, 2473  
 Adenocarcinomas, p53 and, 1434  
 Adenomatous polyposis coli gene, 306  
 Adenomyoma, bile duct, cholangiocarcinoma and, 1200  
 Adenosine, indomethacin-induced gastric damage and, in rats, 1258  
 Adult nesidioblastosis, 1784  
 Aerobic capacity, cirrhosis and, 1701  
 Age, electrogastrography and, 1646  
 Aging, gastric calcitonin gene related peptide and, 2771  
 AIDS, Crohn's disease remission and, 400  
 Alcohol  
     endothelin release pancreas, and, in cats, 927  
     related liver disease, hair growth and, 1111  
 Alendronate sodium tablets, esophageal irritation and, 1998  
 Alkaline phosphatase activity, sodium butyrate and, in IEC6, 1116  
 Alkaline secretion, Cl<sup>-</sup>/HCO<sub>3</sub><sup>-</sup> exchange and, 1205  
 Alkaline sphingomyelinase  
     bile salts and, 26  
     tumorigenesis and, 26  
 Alveolar air collection, carbon monoxide, hydrogen, methane and, 1938  
 Amino acids, lower esophageal sphincter and, 840  
 Ammonia-induced gastric lesions, rebamipide and, 78S  
 Amoxicillin  
     *Helicobacter pylori* eradication and, 235  
     rebamipide, *H. pylori* and, in ulcer patients 198S

\* S after page number indicates September Supplement.

## SUBJECT INDEX

- Anal sphincter complex, endoluminal sonography, manometry and, 2363
- Anaphylaxis, gastric inflammation, neutrophils and, in mice, 2021
- Anemia, celiac disease and, 673
- Anorectal manometry, balloon probe, water-perfused catheter and, 1402
- Anorectum, colon, defecation and, in dogs, 2042
- Anterior laparoscopic fundoplication, fluoroscopy, manometry and, 847
- Anti- $\beta_2$ -glycoprotein I, IBD, anti-cardiolipin and, 2507
- Antibiotic properties, lactoferrin, *Helicobacter pylori* and, 2750
- Antibiotics, gastric emptying and, in mice, 1690
- Anti-cardiolipin, IBD, anti- $\beta_2$ -glycoprotein I and, 2507
- Anti-endomysial antibodies, autoimmune hepatitis and, 2190
- Anti-gliadin antibodies, autoimmune hepatitis and, 2190
- Anti-HBe-positive, hepatitis B DNA and, in asymptomatic carriers, 368
- Antioxidant defense systems, fatty acids, ulcerative colitis and, in rats, 2676
- Antioxidative activity, rebamipide and, 125S
- Antioxidative properties, rebamipide and, 35S
- Antisecretory factor, cholera-induced permeability and, in rats, 2061
- Antithrombin III, acetaldehyde and, 1746
- Antral smooth muscle contractility
  - histamine type 2 receptor antagonists and, 497
  - nizatidine and, 497
  - ranitidine and, 497
- Antrum, endocrine cells and, in nonobese diabetic mice, 1031
- Aortoesophageal fistula, 1665
- APC mutations screening, colorectal cancer and, 306
- Aperistalsis, esophagus and, 1970
- Apoptosis inhibiting factor *Bcl-x<sub>L</sub>*, *Bcl-2*, colorectal cancer and, 2641
- Appendicular metastasis, choriocarcinoma and, 332
- Arterial-venous shunting, liver cirrhosis and, 51
- Arteritis, granulomatous liver disease and, 2164
- Ascites, octreotide and, in cirrhosis patients, 2184
- Aseptic abscesses, Crohn's disease and, 420
- Asian-Americans, Interferon- $\alpha_{2b}$ , chronic hepatitis B and, 875
- Aspirin, phosphatidylcholine, gastric ulcer and, in rats, 786
- AST/Alt ratio, cirrhosis diagnosis and, in HCV patients 2156
- Atrial thrombosis, activated protein C resistance and, 1356
- Autoantibodies celiac disease and, 723
- Autoimmune cholangitis treatment, 2160
- Autoimmune hepatitis
  - anti-endomysial antibodies and, 2190
  - anti-gliadin antibodies and, 2190
  - adenine arabinoside monophosphate, HBV and, 2473
  - Cenp-B antibodies and, 1322
  - Ro/La antibodies and, 1322
  - snRNP antibodies and, 1322
- Autonomic nervous system, irritable bowel syndrome and, in women, 2093
- Bacterial pleural empyema, liver cirrhosis and, 1129
- Barostat procedures, 1417
- Barrett's esophagus
  - cancer risk markers and, 1501
  - epithelial proliferation and, 1501
  - prevalence, in Caucasians 1038
  - prevalence, in Hispanics, 1038
- Bcl-2*, Apoptosis inhibiting factor *Bcl-x<sub>L</sub>*, colorectal cancer and, 2641
- Beer, oxidative stress and, in rats, 1332
- Benzalkonium-chloride, small intestine ablation and, in rats, 2666
- bFGf expression, lansoprazole, sucralfate and, 2764
- Bicarbonate transport, 1205
  - calcium and, in rabbit duodenum 120
- Bile acids, migrating motor complexes and, in dogs, 2278
- Bile duct, adenomyoma, cholangiocarcinoma and, 1200
- Bile duct fistula, pancreatic pseudocyst, gastrointestinal bleeding and, 2622
- Bile salt hydrophobicity, biliary lipid secretion and, in rats, 921
- Biliary acute pancreatitis, somatostatin and, 575
- Biliary calmodulin, gallstone formation and, 170
- Biliary lecithin, vesicular transport and, 183
- Biliary lipid composition, colectomy and, 217
- Biliary lipid secretion, bile salt hydrophobicity and, in rats, 921
- Biliary tract motility
  - endoscopic retrograde cholangiopancreatography electrical activity and, 540
  - mechanical activity and, 540
- Bioimpedance analysis, cholera, intracellular, extracellular water, and, 663
- Biomagnetism, stomach and, 683

- Bismuth compounds, gastric ulcer healing, *Helicobacter pylori* and, 2727
- Bisphosphonate  
 esophageal irritation and, 1998  
 gastric mucosa damage and, in rats 1009
- Blood donors, *Helicobacter pylori* serology and, 2542
- Boerhaave's syndrome, drainage, empyema and, 1518
- Bombesin  
 gallbladder motility, cholecystokinin and, in celiac disease, 668  
 gastrin, gastric protection and, in rats, 826
- Bone density, osteoporosis, Crohn's disease and, 2500
- Botulinum toxin, sphincter of Oddi and, in dogs, 694
- Bovine lactoferrin, *Helicobacter pylori* and, 2750
- Branched DNA assay, hepatitis C virus RNA levels and, 385
- Branched-chain amino acids, cirrhosis and, in rats 1572
- Brewer's yeast, *C. difficile*, diarrhea and, in rats, 2055
- Bromosulphophthalein, phospholipid secretion and, 183
- Brush border membrane, maturation, enterocytic food protein binding and, 148
- Budesonide, colitis and, in rats, 2518
- Cadmium, liver regeneration, putrescine and, 1732
- Calcium  
 bicarbonate transport and, in rabbit duodenum 120  
 insulinoma cells and 2429  
 large intestinal water content and, in pigs 738  
 normal B cells and, 2429
- Cancer  
 therapy, dilation, esophagus and 2255  
 vascular endothelial growth factor and, 1695
- Cancer cell line SW626  
 gastrin expression and, 1465
- Capsaicin, gastrointestinal motility and, 1165
- Carbachol, colon responsiveness and, 1685
- Carbon monoxide, alveolar air collection and, 1938
- Carbonic anhydrase, ulcerative colitis and, 2086
- Carcinogenesis, rebamipide and in mice, 2075
- Carcinoma, Duke's classification and, 1672
- Catechol-O-methyltransferase inhibitor, intestinal secretion and, in dogs, 1806
- Caucasians, Barrett's esophagus prevalence and, 1038
- CD30 (Ki-1)-positive anaplastic large cell lymphoma, 290
- Celiac disease  
 autoantibodies and, 723  
 gallbladder motility, cholecystokinin, bombesin and 668  
 interferon- $\gamma$ , interleukin-4, T-cell clones and, 156
- sideropenic anemia and, 673  
 sucroseemia and 1096
- Cenp-B antibodies, autoimmune hepatitis and, 1322
- Cephalosporin, gastric emptying and, in mice 1690
- Cerulein, sphincter of Oddi, nitric oxide and, in dogs, 540
- Cerulein-induced pancreatitis, cytokine-induced neutrophil chemoattractant and, 863
- Chagas' disease  
 balloon distension, noncardiac chest pain and, 2567  
 HLA antigens and, 246
- Children, *Helicobacter pylori* and, in West Virginia, 773
- Cholangiocarcinoma,  
 adenomyoma, bile duct and, 1200  
 primary biliary cirrhosis and 2138
- Cholangiography, 21
- Cholangitis treatment, 2160
- Cholecystectomy, endoscopic retrograde cholangiopancreatography and, 534
- Cholecystokinin  
 cyclooxygenase inhibition and, 468  
 gallbladder motility, bombesin and, in celiac disease, 668  
 pancreatitis, oral pancreatic enzymes and, 562
- Cholelithiasis  
 dietary risk factors, epidemiology and, in France, 2131  
 low calorie diet, gallstone formation and, 540
- Cholera toxin, capillary permeability and, in rats, 2061
- Cholera, biomimpedance analysis, extracellular, intracellular water and, 663
- cholestasis, tauroursodeoxycholic acid and, in rats, 2201
- Cholestatic hepatitis, ticlopidine and, 2223
- Cholylsarcosine, ursodeoxycholic acid, cirrhosis and, 1292
- Choriocarcinoma, appendicular metastasis and, 332
- Chromosome 16, hepatocellular carcinoma and, 1
- Chromosome 17, hepatocellular carcinoma and, 1
- Chromosome 18, hepatocellular carcinoma and, 1
- Chronic bowel conditions, pulsed irrigation evacuation and, 1831
- Chronic hepatitis B  
 Interferon- $\alpha_{2b}$  and, in Asian-Americans, 875  
 seroconversion and, 1714
- Chronic hepatitis C  
 AST/ALT ratio, cirrhosis and, 2156  
 interferon- $\alpha$  therapy  
 porphyria cutanea tarda and, 529  
 pruritis and, 2177

## SUBJECT INDEX

- Chronic idiopathic constipation, exercise and, 2379  
 Chronic liver disease, immune phenotype and, 2149  
 Chronic pancreatitis  
   enteric-coated pancreatin microsphere treatment, 203  
   main duct narrowing and, 2415  
   platelet-derived growth factor and, 567  
   prognosis and, 2415  
   systemic sclerosis, primary biliary cirrhosis and, 2426  
 Chronic viral hepatitis, liver biopsy and, 1562  
 Cirrhosis  
   ascites, octreotide and, 2184  
   AST/ALT ratio and, in HCV patients, 2156  
   branched-chain amino acids and, in rats, 1572  
   cholangiocarcinoma and, 2138  
   esophageal varices and, in rats, 1296  
   exercise capacity and, 1701  
   gastric circulation, portal hypertension and, 1219  
   *Helicobacter pylori*, peptic ulcer and, 1302  
   insulin-like growth factor-1 and, 1317  
   lower esophageal sphincter and, 1562  
   portal hemodynamics, duplex sonography and, 354  
   prognosis, 1317  
   protein-3 and, 1317  
   thrombocytopenia, TIPS and, 2459  
   ursodeoxycholic acid treatment  
   cholylysarcosine and, 1292  
 Cisapride  
   esophageal fundoplication and, 1986  
   gastroesophageal reflux disease and, 1986  
*c-kit*, gastric carcinoma cell lines and, 8  
 $\text{Cl}^-/\text{HCO}_3^-$  exchange, alkaline secretion and, 1205  
 Clarithromycin, *Helicobacter pylori* treatment and, 464  
 Clear cell cholangiocarcinoma 33  
 Clinical characteristics, long-term gastroparesis outcome and, 2398  
*Clostridium difficile*  
   brewer's yeast, and in rats, 2055  
   *Saccharomyces boulardii* and, in rats, 2055  
*Clostridium difficile* colitis, pneumatosis intestinalis and, in lung transplant patient, 2455  
 CLOTtest, 1636  
 Coagulation protein V, aceteldehyde and, 1746  
 Cocaine, intestinal ischemia and, 586  
 Colectomy  
   biliary lipid composition and, 217  
   ulcerative colitis, fatty acids and, 1071  
 Colitis  
   budesonide and, in rats, 2518  
   dextrate sulfate, heparin and, 1800  
   in *Saguinus oedipus oedipus*, 1443  
   rebamipide and, 125S  
   *Yersinia enterocolitica* and, 1341  
 Collagen, small intestine and, in pigs, 2034  
 Collangeous colitis, *Yersinia enterocolitica* and, 1341  
 Colon  
   electrophysiology  
     pentobarbital, protein kinase C and, 632  
 Colon  
   absorption  
     sodium caprate and, 641  
     gamma irradiation and, in rat, 646  
     palmitoyl carnitine and, 641  
   anorectum, defecation and, in dogs, 2042  
   cancer  
     in *Saguinus oedipus oedipus*, 1443  
     signaling protein kinases and, 1454  
   Duke's C carcinoma, survival and, 1672  
   mucosa  
     glutathione and, in Crohn's disease and, 1088  
     pH, transit time, Crohn's disease and, 702  
     polypoid ganglioneuroma and, 908  
   responsiveness  
     carbachol and, 1685  
     neurotensin and 1685  
   secretion  
     gamma irradiation and, in rat, 646  
 Colonic circular muscle, idiopathic chronic constipation and, 2719  
 Colonic inflammation, rebamipide and, 143S  
 Colonic lesion, okadaic acid and, in rats, 2526  
 Colonic mucosa, carbonic anhydrase and, 2086  
 Colonic secretion, brewer's yeast, *Saccharomyces boulardii* and, in rats 2055  
 Colorectal adenocarcinomas, p53 and, 1434  
 Colorectal cancer,  
   Apoptosis inhibiting factor *Bcl-x<sub>L</sub>*, *Bcl-2* and, 2641  
   lactose maldigesters and, 39  
   metastases, liver tumors and, 2634  
   screening for APC mutations and, 306  
 Colorectal carcinoma, signaling protein kinases and, 1454  
 Colostomy, muscularis propria and, 616  
 Conscious sedation, 1835  
 Constipation  
   diabetes mellitus and, 2373  
   exercise and, 2379  
   stool characteristics and, 2353  
 Core promotor mutation, hepatitis B virus and, in Japan, 2473  
 Corpus argyrophil cell population, reflux esophagitis and, 1621



- Crohn's disease  
 6-mercaptopurine treatment  
 myeloblastic leukemia and, 1791  
 aseptic abscesses and, 420  
 fecal lysozyme and, 590  
 gastrointestinal lesions, *Helicobacter pylori* and, 988  
 glutathione, colon mucosa and, 1088  
 heat shock protein 90 and, 1079  
 interleukin-6 and, 2071  
 interleukin-8 and, 2071  
 motilin gene and, 715  
 osteoporosis, bone density and, 2500  
 primary sclerosing cholangitis and, in Down's syndrome patient, 400  
 pyoderma gangrenosum and, 720  
 remission and, in HIV patients, 166  
*Cryptosporidium*, octreotide treatment, HIV patients and, 436  
 Cucosemia, celiac disease and, 1096  
 Cyclooxygenase inhibition, cholecystokinin-induced gastroprotection and, 468  
 Cyclooxygenase-2, gastric ulcer and, 2003  
 Cyclosporine, intestinal function and, in rabbits, 2227  
 Cys282Tyr mutation, hemochromatosis diagnosis and, 1339  
 Cytokine-induced neutrophil chemoattractant, cerulein-induced pancreatitis and, in rats, 863  
 Cytokines  
*Helicobacter pylori* pathogenesis and, 46S  
*H. pylori*, epithelial cell secretion and, 2301  
 rebamipide and, 160S  
 ulcer recurrence and, 61S  
 Cytomegalovirus  
 ganciclovir and, in transplant patients, 1190  
 gastrointestinal disease and, 746  
 Cytoprotection, histology and, in rats, 1248  
  
 Defecation, anorectum, colon and, in dogs, 2042  
 Defunctionalized colon, muscularis propria and, 616  
 Dehydroleucodine, gastric mucosal protection and, 791  
 Delta-opioid receptors, small intestine and, in pigs, 1402  
 Demography, long-term gastroparesis outcome and, 2398  
 Demyelinating disease, gastroparesis and, 1430  
 Deoxycholate, gastric cytoprotection, prostaglandins and, 806  
 Depression, lactose malabsorption and, in women, 2513  
 Dextran sulfate sodium-induced colonic inflammation, rebamipide and, 143S  
  
 Dextrate sulfate-induced colitis, heparin and, 1800  
 D-galactosamine, tumor necrosis factor- $\alpha$ , hepatic necrosis and, 887  
 Diabetes mellitus  
 constipation and, 2373  
 gastrointestinal transit and, 2373  
 intestinal bacterial overgrowth, diabetes mellitus and, 679  
 intragastric distribution, liquid feeding and, 1421  
 neuropathy, gastric motor activity, liquid meal and, 491  
 Diabetes, gallbladder volume and, 344  
 Diarrhea  
 fructooligosaccharide idoxal, disaccharide lactulose and, 2696  
 rectal mucosal mast cells and, 2111  
 sodium phosphate and, 2708  
 treatment  
 fructooligosaccharide and, 138  
 Diclofenac, gastric motility, indomethacin and, 1171  
 Dietary risk factors, cholelithiasis, epidemiology and, in France, 2131  
 Dilation therapy, esophageal cancer and, 2255  
 Dilinoleoylphosphatidylcholine, ethanol hypotoxicity and, in isolated perfused rat liver, 2211  
 Dipeptidyl peptidase IV 2591  
 HAM.4 antigen, hepatic regeneration and, in rats, 2591  
 Disaccharide lactulose 2696  
 diarrhea and,  
 Distal colon epithelium, endoscopic mucosal resection and, 2439  
 Down's syndrome, primary sclerosing cholangitis, Crohn's disease and, 166  
 Drug-induced hepatitis, flow cytometry, lymphocyte transformation and, 513  
 D-sorbitol, arterial-venous shunting and, in cirrhosis 51  
 Duke's C carcinoma, survival and, 1672  
 Duodenal cancer, gastric microflora and, 2291  
 Duodenal ulcer  
 histamine, fibrinolysis and, 126  
 lipid peroxidation and, in rats, 1657  
 omeprazole and, 1964  
 ranitidine and, 1964  
 Duodenal ulceration, lansoprazole, sucralfate, growth factor expression and, 2764  
 Duodenum  
 migrating motor complexes, bile acids, and in dogs, 2278  
 urinary 5-HIAA, tubovillous adenoma and, 1474  
 Duplex sonography, portal hemodynamics and, in liver cirrhosis, 354

## SUBJECT INDEX

- Dyspepsia
  - endrophonium and, 1494
  - gastric distension, *H. pylori* and, 2757
  - gastric emptying, and, 2028
  - scintigraphy and, 1154
  - gastric myoelectrical activity and, in children, 2384
  - health care seeking and, 1016
- Dysphagia, gastric volvulus and, 1057
- Dysplasia, Barrett's esophagus and, 1501
- Early response genes, short-chain fatty acids and, 1526
- ECC12 cell line, 8
- Ectopic gastric mucosa, esophageal adenocarcinoma and, 901
- Edrophonium, electrogastrography, dyspepsia and, 1494
- EGF receptor expression, lansoprazole, sucralfate and, 2764
- Eisai Hyperbilirubinemic Rat, lithocholate-3-sulfate excretion in, 188
- Electrogastrogram, accuracy and, 1023
- Electrogastrography
  - dyspepsia and, 1678
  - endrophonium and, 1494
  - gastric electrical activity randomness and, in pigs, 953
  - in children, 1646
- Electrolyte transport, nitric oxide and, 1605
- ELISA, *Helicobacter pylori* diagnosis and, 103
- Empyema, drainage, Boerhaave's syndrome and, 1518
- Endocrine cells
  - in nonobese diabetic mice, 1031
  - reflux esophagitis and, 1621
- Endocrine function, pancreatectomy and, 2616
- Endoscopic sclerotherapy, esophageal wall distensibility and, in pigs, 521
- Endoluminal sonography, anal sphincter complex and, 2363
- Endoscopic mucosal resection, distal colon epithelium and, 2439
- Endoscopic retrograde cholangiopancreatography
  - biliary tract motility and, 540
  - cholecystectomy and, 534
  - electrical activity and, 540
  - interleukins and, 1763
  - mechanical activity and, 540
- Endothelin
  - release
    - alcohol, pancreas and, in cats, 927
    - nitric oxide, pancreas transplantation and, 2627
    - ulceration and, 40S
- Endotoxemia, ileal mucosal atrophy and, in rats, 2244
- Enteral diets
  - fiber, intestinal absorption and, 2099
  - percutaneous endoscopic gastrostomy and, 2549
- Enteric cryptosporidiosis, octreotide, HIV infection and, 436
- Enteric flora
  - intestinal resection and, 624
  - short-chain fatty acids and, 624
- Enterocytic food protein binding, brush border membrane maturation and, 148
- Eosinophil, ulcerative colitis and, 1061
- Epidemiology
  - cholelithiasis, risk factors and, in France, 2131
  - gallstone prevalence, in Germany, 1285
  - hepatitis G virus and, 2143
- Epidermal growth factor
  - esophageal epithelial cells
    - proliferation, restitution and, in rabbits, 2309
    - gastric repair and, 14S
    - rebamipide and, 90S
    - ulcer healing and, 14S
- Epithelial proliferation
  - Barrett's esophagus and, 1501
  - restitution and, in guinea pigs, 1507
- Epithelial secretion, cytokines, *H. pylori* and, 2301
- Epstein-Barr virus, seroepidemiology and, 1488
- Epithelial injury, proliferation and, in guinea pigs, 1507
- Erythromycin 80
  - gallbladder emptying and, 177
- Escherichia coli*, psyllium and, in piglets, 2536
- E-selectin, ulcerative colitis and, 596
- Esophageal acid infusion, sleep and, 241
- Esophageal adenocarcinoma, ectopic gastric mucosa and, 901
- Esophageal balloon distension, evoked responses and, 2558
- Esophageal cancer
  - p53 gene mutations and, 279
  - p53 protein, p21<sup>WAF1/CIP1</sup> protein and, 279
- Esophageal carcinoma, dilation, dilation plus laser and, 2255
- Esophageal electrical stimulation, evoked responses and, 2558
- Esophageal epithelial cells
  - proliferation
    - growth factors and, in rabbits, 2309
    - prostaglandin E<sub>2</sub> and, in rabbits, 2309
  - restitution
    - growth factors and, in rabbits, 2309

- prostaglandin E<sub>2</sub> and, in rabbits, 2309
- Esophageal evoked responses, balloon distension, electrical stimulation and, 2558
- Esophageal fundoplication, cisapride and, 1986
- Esophageal irritation
  - alendronate sodium tablets and, 1998
  - bisphosphante and, 1998
- Esophageal manometry
  - peristalsis and, 1978
  - transcutaneous electrical nerve stimulation and, 1621
- Esophageal motility
  - noncardiac chest pain and, 1991
  - pneumatic dilation and, 1973
  - topography and, 1978
- Esophageal neoplasm, *p53* and, 1675
- Esophageal pain sensitivity, transcutaneous electrical nerve stimulation and, 1621
- Esophageal varices, liver cirrhosis and, in rats, 1296
- Esophagitis, *Helicobacter pylori* and, 678
- Esophagus
  - endoscopic sclerotherapy and, in pigs, 521
  - segmental aperistalsis and, 1970
- Ethanol
  - gastric protection, 4-methylpyrazole and, 816
  - hypotoxicity
    - dilinoleoylphosphatidylcholine and, in IPRL, 2211
    - s-adenosyl-L-methionine and, in IRPL, 2211
  - neutrophil extravasion and, in cats, 2610
  - oxidative stress and, in rats, 1332
- Evans blue permeability, cholera toxin and, in rats, 2061
- Exercise capacity, cirrhosis and, 1701
- Exercise, chronic idiopathic constipation and, 2379
- Exocrine function, pancreatectomy and, 2616
- Extracellular water, bioimpedance analysis, cholera and, 663
- Extrahepatic primary malignancy, hepatocellular carcinoma, and, 2489
- Familial adenomatous polyposis, prostaglandin levels, sulindac and, 311
- Fatty acids
  - antioxidant defense systems, ulcerative colitis and, in rats, 2676
  - operated ulcerative colitis and, 1071
- FCM analysis, 1
- Fecal impaction, pulsed irrigation evacuation and, 1831
- Fecal lysozyme
  - Crohn's disease and, 590
- inflammatory bowel disease and, 590
- ulcerative colitis and, 590
- Feedback regulation, gastric emptying and, in mini pigs, 1141
- Fiber laxatives, large intestinal water content and, in pigs, 738
- Fibrinolysis, duodenal ulcer, histamine and, 126
- Fibroblast growth factor-1, hepatocellular carcinoma and, 2261
- Fibroblast growth-factor-2, hepatocellular carcinoma and, 2261
- FISH analysis, 1
- Flow cytometry, lymphocyte transformation and, in drug-induced hepatitis, 513
- Fluoramide, *Helicobacter pylori* and, 109
- Fluoroscopy, fundoplication and, 847
- Free radicals
  - L-arginine-induced pancreatitis and, 1770
  - pancreatitis, xanthine oxidase and, 2405
- Fructooligosaccharide, diarrhea treatment and, 138
- Fructooligosaccharide idoxal, diarrhea and, 2696
- Fulminant hepatitis, vascular endothelial growth factors and, 41
- Fulminant hepatic failure, prognosis, 1311
- Functional bowel disease treatment
  - leuprolide acetate and, in women, 1347
  - Lupron and, in women, 1347
- Functional dyspepsia
  - gastric motility and, 1678
  - gastric myoelectric activity and, in children, 2384
- Fundoplication, Nissen Laparoscopy, anterior laparoscopy and, 847
- Gallbladder
  - emptying
    - erythromycin and, 177
  - motility
    - cholecystokinin, bombesin and, in celiac disease, 668
    - gastrin-releasing peptide and, in possum, 1275
    - nicotinic agonist and, in guinea pigs, 2237
  - mucosa histology, gallstones and, 931
  - mucosal function, intraluminal fluid, lipid composition and, 335
  - neurotransmitters and, in guinea pigs, 2237
  - volume, diabetes and, 344
- Gallstone disease
  - risk factors, in Mexicans, Mexican-Americans 935
- Gallstone dissolution
  - HMG CoA inhibitor and, 349
  - recurrence, methyl *tert*-butyl ether and, 911
  - simvastatin and, 349

## SUBJECT INDEX

- Gallstone formation
  - biliary calmodulin and, 170
  - low calorie diet, cholelithiasis and, 540
  - peptidase activity, *Helicobacter pylori* and, 854
- Gallstone prevalence, in Germany, 1285
- Gallstones
  - gallbladder mucosa histology and, 931
  - xanthogranulomatous cholecystitis and, 940
- Gamma irradiation, colonic absorption, secretion and, in rat, 646
- Ganciclovir, cytomegalovirus prophylaxis, and, in transplant patients, 1190
- Gastric accommodation, *Helicobacter pylori* and, 258
- Gastric acidity, NSAID rheumatoid arthritis treatment and, 459
- Gastric adenocarcinoma, neuron-specific enolase and, 971
- Gastric calcitonin, gene related peptide and, in aging, 2771
- Gastric cancer
  - CD30 (Ki-1)-positive anaplastic large cell lymphoma and, 290
  - gastric microflora and, 2291
  - gastrojejunostomy and, 898
  - p53 gene mutations and, 279
  - p53 protein, p21<sup>WAF1/CIP1</sup> protein and, 279
  - prognosis
    - p21 expression and, 964
    - p53 gastric expression and, 964
- Gastric carcinogenesis, *Helicobacter pylori* and, 72S
- Gastric carcinoma cell lines, 8
- Gastric carcinoma, acid inhibitors and, 253
- Gastric chief cells, pepsinogen genes expression and, in guinea pigs, 2744
- Gastric circulation, cirrhosis, portal hypertension and, 1302
- Gastric cytoprotection, deoxycholate, prostaglandins and, 806
- Gastric damage, adenosine, indomethacin and, in rats, 1258
- Gastric distention, *H. pylori*, dyspepsia and, 2757
- Gastric dysmotility
  - cancer and, 1369
  - neoplasms and, 1369
- Gastric electrical activity, randomness and, in pigs, 953
- Gastric emptying
  - antibiotics and, in mice, 1690
  - cephalosporin and, in mice, 1690
  - dyspepsia and, 1678, 2028
  - electrogastrogram and, 1023
  - functional dyspepsia, scintigraphy and, 1154
  - glucagon-like polypeptide 1 and, 1133
  - in rats, 2284
- Helicobacter pylori*, lipopolysaccharide and, in rats, 90
- nitric oxide and, in dogs 506
- nutrient absorption and, in mini pigs 1141
- pancreatin microsphere treatment and, 203
- Gastric epithelial cell
  - apoptosis, rebamipide and, 107S
  - Helicobacter pylori* adhesion agents and, 56S
  - interleukin-8, *Helicobacter pylori* and, 2744
  - wound repair, interleukin-1 $\beta$  and, 476
- Gastric fibroblasts, ulcer healing and, 1230
- Gastric function, *Helicobacter pylori* and, 258
- Gastric hypoxia-reoxygenation, nitric oxide and, in rabbits, 1043
- Gastric inflammation, anaphylaxis, neutrophils and, in mice, 2021
- Gastric lesions, tetramethylpyrazine and, in rats, 1652
- Gastric lipase secretion, glucagon-like peptide-1 and, 799
- Gastric manometry
  - in gastroparesis patients, 80
  - erythromycin and, 80
  - octreotide and, 80
- Gastric microcirculation, rebamipide and, 148S
- Gastric microflora, duodenal cancer, gastric cancer and, 2291
- Gastric motility
  - diabetes mellitus, neuropathy, liquid meal and, 491
  - diclofenac, indomethacin and, 1171
  - dyspepsia and, 1678
  - secretin, liver cirrhosis and 2392
- Gastric mucosa
  - damage
    - bisphosphonates and, in rats 1009
  - N-<sup>3</sup>H-methyl-N-nitro-N-nitrosoguanidine and, in rats, 2012
- Gastric mucosal injury
  - Helicobacter pylori*, rebamipide and, in gerbils, 181S
  - indomethacin and, 30S
  - lipid peroxidation and, 30S
  - oxygen radical and, 30S
  - rebamipide and, 113S
- Gastric mucosal protection, dehydroleucodine, monamines and, 791
- Gastric myoelectric activity
  - hemodialysis, uremia and, 1159
  - in gastroparesis patients, 80
  - erythromycin and, 80
  - octreotide and, 80



- Gastric pH, interdigestive migrating complex and, 1697
- Gastric protection  
 4-methylpazole, ethanol and, 816  
 gastrin, bombesin and, in rats, 826  
 rebamipide and, 78S, 83
- Gastric repair, epidermal growth factor and, 14S
- Gastric restitution, epithelial proliferation and, in guinea pigs, 1507
- Gastric secretion, *N*-<sup>3</sup>H-methyl-*N*-nitro-*N*-nitrosoguanidine and, 2012
- Gastric sensitivity, 5-HT<sub>1A</sub> receptors and, in rats, 2048
- Gastric ulcer  
 cyclooxygenase-2 and, 2003  
 healing  
*Helicobacter pylori*, bismuth compounds and, 2727  
 NSAIDs and, 2003  
 in lung transplant patients, 1177  
 phosphatidycholine-associated aspirin and, in rats, 786  
 rabepazole treatment and, 993  
 recurrence  
 rebamipide and, 99S  
 treatment  
 lansoprazole and, 779
- Gastric volvulus, dysphagia and, 1057
- Gastric volvus reduction, percutaneous endoscopic gastrotomy 2659
- Gastric wound repair  
 interleukin-1 $\beta$  and, 476  
 rebamipide and, 107S
- Gastrin  
 bombesin, gastric protection and, in rats, 826  
 ovarian cancer and, 146S
- Gastrin-releasing peptide  
 gallbladder motility and, in possum, 1275  
 sphincter of Oddi and, in possum, 1275
- Gastritis  
*Helicobacter pylori*  
 in gerbils, 754  
 sucrose permeability and, 749
- Gastroduodenal ulceration  
 endothelins and, 40S  
 vascular endothelial growth factors and, 40S
- Gastroesophageal disease  
 diagnostic tests and, 1001  
 empirical therapy and, 1001
- Gastroesophageal pH testing, liquid ingestion and, 834
- Gastroesophageal reflux  
 acid clearance and, 95  
 amino acids and, 840  
 globus sensation and, 1513  
 liquid ingestion, pH and, 834
- Gastroesophageal reflux disease  
 cisapride and, 1986  
 noncardiac chest pain and, 1991  
 rabepazole treatment and, 993  
 symptom, meal type and, 48S
- Gastrointestinal bleeding, pancreatic pseudocyst with fistula and, 2622
- Gastrointestinal cancer, rebamipide and, in mice, 207S
- Gastrointestinal disease, cytomegalovirus and, 746
- Gastrointestinal disorder, irritable bowel syndrome  
 quality of life, 400
- Gastrointestinal function, short-chain fatty acids and, 1526
- Gastrointestinal lesions, *Helicobacter pylori* and, in Crohn's disease patients, 988
- Gastrointestinal motility  
 capsaicin and, 116S  
 electrogastrogram accuracy and, 1023
- Gastrointestinal safety, misoprostol and, 447
- Gastrointestinal structure, short-chain fatty acids and, 1526
- Gastrointestinal transit, diabetes mellitus and, 2373
- Gastrojejunostomy, gastric cancer and, 898
- Gastroparesis  
 demyelinating disease and, 1430  
 effects of erythromycin, 80  
 effects of octreotide, 80  
 gastric manometry and, 80  
 gastric myoelectric activity and, 80  
 long-term outcome, 2398
- Gastroprotection, prostaglandins and, 23S
- GCIY cell line, 8
- Gender, electrogastrography and, in children, 1646
- Gerbils, *Helicobacter pylori*-induced gastritis and, 754
- Giant-cell arteritis, granulomatous liver disease and, 2164
- Globus sensation  
 gastroesophageal reflux and, 1513  
 upper esophageal sphincter and, 1513
- Glucagen-like peptide-1  
 gastric emptying and, in rats, 2284  
 gastric emptying, pyloric tone and, 1133  
 gastric lipase secretion and, 799  
 small bowel transit and, in rats, 2284
- Glucocorticoids, liver allograft rejection and, 175S
- Glucose intolerance, octreotide, acute pancreatitis and, 193



## SUBJECT INDEX

- Glutamine, 1752
- Glutathione, colon mucosa and, in Crohn's disease, 1088
- Graft steatosis, liver transplantation, energy metabolism and, 74
- Graft-versus-host disease, LFA-1 expression and, in small bowel transplant, 221
- Granulomatous liver disease, giant-cell arteritis and, 2164
- Hair growth, alcohol-related liver disease and, 1111
- Halitosis, *Helicobacter pylori* and, 2733
- HAM.4 antigen, hepatic regeneration, dipeptidyl peptidase IV and, in rats, 2591
- Hamartomatous fundic polyps, *Helicobacter pylori* and, 766
- HBe-antigen positive, hepatitis B DNA and, in asymptomatic carriers, 368
- HBsAg vaccination, hepatitis B, T-cell antigen receptor analysis and, 880
- HCV RNA values, interferon, prognosis and, 2169
- Health care seeking, dyspepsia and, 1016
- Heartburn symptoms, meal type, gastroesophageal reflux and, 485
- Heat shock protein 70  
ischemia-reperfusion and, in rat liver,
- Heat shock protein 90  
Crohn's disease and, 1079  
ischemia-reperfusion and, in rat liver, 2601  
small intestinal lesions and, in rats, 2117  
ulcerative colitis and, 1079
- Helicobacter heilmannii*, in China, 1493
- Helicobacter pylori*  
adhesion agents, 56S  
amoxicillin and, in gastric ulcer patients, 198S  
antiadhesion and, 56S  
apoptosis, NSAIDs and, 1957  
bovine lactoferrin and, 2750  
CLOtest and, 1636  
coccoid form, 188S  
cytokines and, 46S  
epithelial secretion and, 2301  
epidemiology and, in West Virginian children, 773  
eradication 1641  
rebamipide and 192S  
gastric carcinogenesis and, 72S  
gastric distension, dyspepsia and 2757  
gastric emptying and, in rats, 90  
gastric function and, 258  
gastric ulcer healing, bismuth compounds and, 2727  
gastritis  
diagnosis
- ELISA and, 103  
serology and, 103  
in gerbils, 754  
sucrose permeability and, 746  
gastrointestinal lesions and, in Crohn's disease patients, 988  
halitosis and, 2733  
hamartomatous fundic polyp and, 766  
idiopathic chronic urticaria and, 1226  
IgG antibody screening and, 2297  
interleukin-8, gastric epithelial cells and, 2738  
interleukin-8, rebamipide and, 174S  
lansoprazole and, in gastric ulcer patients, 198S  
low-molecular-weight antigen and, 1482  
mucosal damage and, 46S  
mucosal injury, rebamipide and, in gerbils, 181S  
nested PCR assay, saliva and, 1211  
neutrophils, rebamipide and, 167S  
nonulcer dyspepsia and, 67S  
oral-oral transmission, 1488  
peptic ulcer, cirrhosis and, 1219  
peptidase activity, gallstone formation and, 854  
posteradication symptoms, 67S  
proliferation, NSAIDs and, 1957  
PyloriTek and, 1636  
rebamipide and, 72S, 99S  
in gastric ulcer patients, 198S  
in peptic ulcer patients 203S  
repetitive extragenic palindromic DNA-sequence based PCR and, 980  
Reynaud's phenomenon and, 1641  
serioepidemiology 1488  
serology and, in asymptomatic blood donors, 2542  
spiral form, 188S  
treatment  
clarithromycin and, 464  
fluorofamide and, 109  
in Korea, 464  
lansoprazole and, 464  
lansoprazole, amoxicillin, rebamipide and, 235  
metronidazole and, 464  
urease inhibition and 109  
urease tests and, 1636  
virulence factor and, 1482
- Hemangiomas, steroids and, 1553
- Hematogenous metastasis, gastrointestinal stromal tumor and, 2271
- Hemobilia, hemophilia and, 2606
- Hemochromatosis  
diagnosis  
Cys282Tyr mutation and, 1339

- Hemodialysis, gastric myoelectrical activity, uremia and, 1159
- Hemodialysis patient, hepatitis G virus and, 2143
- Hemophagocytic syndrome
  - hypoalbuminemia, tumor necrosis factor- $\alpha$  and, 67
  - interferon- $\gamma$  and, 67
- Hemophilia, hemobilia and, 2606
- Hemosiderosis, pancreatic iron content and, 2411
- Heparin, dextrate sulfate-induced colitis and, 1800
- Hepatectomy, recurrent hepatocellular carcinoma regression and, 323
- Hepatic blood flow, duplex Doppler sonography, hepatitis C and, 2584
- Hepatic encephalopathy, liver cirrhosis, transient cortical blindness and, 365
- Hepatic energy metabolism, liver transplantation, graft steatosis and, 74
- Hepatic fibrosis regression, hepatitis C interferon treatment and, 2573
- Hepatic infantile myofibromatosis, in female adolescent, 1124
- Hepatic necrosis, tumor necrosis factor- $\alpha$ , D-galactosamine and, 887
- Hepatic regeneration, HAM.4, dipeptidyl peptidase IV and, in rats, 2591
- Hepatic siderosis, idiopathic neonatal hepatitis and, 392
- Hepatic steatosis, idiopathic neonatal hepatitis and, 392
- Hepatitis
  - anti-endomysial antibodies and, 2190
  - anti-gliadin antibodies and, 2190
  - Cenp-B antibodies and, 1322
  - phenotypes and, 1725
  - Ro/La antibodies and, 1322
  - snRNP antibodies and, 1322
  - ticlopidine and, 2223
  - vascular endothelial growth factors and, 41
- Hepatitis B
  - HBsAg vaccination, T-cell antigen receptor analysis and, 880
  - interferon- $\alpha$  B/D and, 1719
  - lamivudine
    - in liver transplant patients, 1186
    - therapy and, 2267
  - seroconversion and, 1714
- Hepatitis B DNA, HBe-antigen-positive, anti-HBe-positive and, 368
- Hepatitis B virus
  - adenine arabinoside monophosphate, autoimmune hepatitis and, 2473
  - precore, core promotor mutations and, in Japan, 2473
- Hepatitis C
  - blood flow, duplex Doppler sonography and, 2584
  - interferon- $\alpha$  and, 1307
  - interferon, prognosis and, 2169
  - interferon treatment, fibrosis regression and, 2573
  - leukocyte interferon- $\alpha$  and, 2173
  - pruritis and, 2177
- Hepatitis C virus
  - population
    - lymphocytes, plasma and, 377
  - RNA levels
    - branched DNA assay, polymerase chain reaction and, 385
    - interferon treatment and, 385
- Hepatitis G, interferon- $\alpha$  and, 1307
- Hepatitis G virus
  - epidemiology and, in general population 2143
  - epidemiology and, in hemodialysis patients, 2143
  - liver graft recipients and, 2577
- Hepatocellular carcinoma
  - chromosome 16 and, 1
  - chromosome 17 and, 1
  - chromosome 18 and, 1
  - extrahepatic primary malignancy, hypobetalipoproteinemia and, 2489
  - fibroblast growth factors and, 2261
  - hepatectomy, regression and 323
  - hepatolithiasis and, 2483
  - liver perfusion, transcatheter arterial embolization and, 317
  - pancreatitis and, 21
- Hepatocellular clear cell carcinoma, 33
- Hepatocytes, nitric oxide and, 1737
- Hepatolithiasis, hepatocellular carcinoma and, 2483
- Hispanics, Barrett's esophagus prevalence and, 1038
- Histamine type 2 receptor antagonists, antral smooth muscle contractability and, 497
- Histamine, duodenal ulcer, fibrinolysis and, 126
- Histamine-induced damage, tetragastrin and, in rats, 1050
- Histology
  - adaptive cytoprotection and, in rats, 1248
  - gallbladder mucosa, gallstones and, 931
- HIV patients, Crohn's disease remission and, 400
- HLA antigens, Chagas' disease and, 246
- HMG CoA reductase inhibitor, gallstone dissolution and, 349
- Hydrogen sulfide, *n*-butyrate, ulcerative colitis and, 162
- Hydrogen, alveolar air collection and, 1938

## SUBJECT INDEX

- Hydromineral transport, oxyntomodulin and, in rats, 1814
- Hyperlipidemia, pancreatitis and, in primigravida adolescents 943
- Hypersensitivity vasculitis, amyloidosis, pseudoobstruction and, 1824
- Hypoalbuminemia
  - interferon- $\gamma$  and, 67
  - tumor necrosis factor- $\alpha$ , hemophagocytic syndrome and, 67
- Hypobetalipoproteinemia, extrahepatic primary malignancy, hepatocellular carcinoma and, 2489
- Idiopathic chronic constipation, colonic circular muscle stimulation, relaxation and, 2719
- Idiopathic neonatal hepatitis, siderosis, steatosis and, 392
- IgG antibodies, *Helicobacter pylori* serology and, 2297
- Ileal mucosal atrophy, diet and, in rats, 2244
- Ileal permeability
  - milk fat and, 1547
  - sodium caprate and, 1547
- Ileum bypass, preoperative perfusion, postoperative function and, 429
- Immune expression, chronic liver disease and, 2149
- Immune phenotype, chronic liver disease and, 2149
- Immunosuppression, liver transplantation, splenectomy and, 1931
- Interdigestive migrating complex
  - motilin and, 1697
  - pH and, 1697
- Indomethacin
  - adenosine, gastric damage and, in rats, 1258
  - diclofenac, gastric motility and, 1171
  - intestinal damage and, in rats, 2322
- Indomethacin-induced gastric injury 30S
  - rebamipide and, 83S, 139S
- Infantile myofibromatosis, in female adolescent, 1124
- Inflammatory bowel disease
  - activated protein C resistance and, 1356
  - anti-cardiolipin, anti- $\beta_2$ -glycoprotein I and, 2507
  - fecal lysozyme and, 590
  - lysosomal enzyme regulation and, 706
  - motilin gene and, 715
  - thrombophilia and, 1356
  - ulcer recurrence and, 61S
- iNOS mRNA expression, rebamipide and, 118S
- Insulin-like growth factor-1, liver cirrhosis and, 1317
- Insulinoma cells, calcium and, 2429
- Interferon, HCV RNA values and, 2169
- Interferon therapy, liver biopsy and, 1562
- Interferon treatment,
  - hepatitis C, fibrosis regression and, 2573
  - hepatitis C virus RNA levels and, 385
- Interferon- $\alpha$ 
  - hepatitis C and, 1307
  - hepatitis G and, 1307
- Interferon- $\alpha$  therapy, porphyria cutanea tarda and, in chronic hepatitis C, 529
- Interferon- $\alpha$  B/D, Hepatitis B and, 1719
- Interferon- $\alpha_{2b}$ , chronic hepatitis B and, in Asian-Americans, 875
- Interferon- $\gamma$ 
  - celiac disease and, 156
  - hypoalbuminemia, hemophagocytic syndrome and, 67
- Interleukin-1 $\beta$ , gastric endothelial cell growth, wound repair and, 476
- Interleukin-4, celiac disease and, 156
- Interleukin-6
  - Crohn's disease and, 2071
  - luminal immunoglobulins and, 442
  - ulcerative colitis and, 2071
- Interleukin-8
  - Crohn's disease and, 2071
  - gastric epithelial cells, *Helicobacter pylori* and, 2738
  - rebamipide, *Helicobacter pylori* and, 174S
  - tetragastrin-stimulated acid secretion and, 2317
  - ulcerative colitis and, 2071
- Interleukins, endoscopic retrograde cholangiopancreatography and, 1763
- Intestinal absorption, soy fiber, enteral diets and, 2099
- Intestinal adaptation, neuropeptides and, in piglet, 1102
- Intestinal bacteria, fructooligosaccharide diarrheal treatment and, 138
- Intestinal damage
  - indomethacin and, in rats, 2322
  - pancreatic enzymes and, in rats, 2322
- Intestinal epithelial cell line, sodium butyrate and, 1116
- Intestinal epithelial cells, mucosal pH and, 1537
- Intestinal function
  - cyclosporine and, in rabbits, 2227
  - rapamycin and, in rabbits, 2227
- Intestinal ischemia, cocaine and, 586
- Intestinal mucosal defense, *Salmonella typhimurium* and, 646
- Intestinal musculature absence, in adult, 397
- Intestinal obstruction, in adult, 397

- Intestinal permeability, urine testing and, 1946  
 Intestinal resection, enteric flora and, 624  
 Intestinal secretion  
   catechol-*O*-methyltransferase inhibitor and, in dogs, 1806  
   oxyntomodulin and, in rats 1814  
   sinemet and, in dogs, 1806  
   tolcapone and, in dogs, 1806  
 Intestinal transport, nitric oxide and, 1605  
 Intracellular water, bioimpedance analysis, cholera and, 663  
 Intraesophageal balloon distension, Chagas' disease, noncardiac chest pain and, 2567  
 Intraesophageal carcinoma, *p53* and, 1675  
 Intra gastric distribution, liquid feeding, diabetes mellitus and, 1421  
 Intraluminal fluid, gallbladder mucosal function and, 335  
 Irinotecan (CPT-11), mucosal damage in large intestine and, 2649  
 Iron content, pancreas, hemosiderosis and, 2411  
 Irritable bowel syndrome  
   abnormal vagal cholinergic function and, 1794  
   abnormal psychological behaviors and, 1794  
   mast cell degranulation and, 727  
   nervous system and, in women, 2093  
   quality of life, 400  
   symptom patterns, 2715  
 Ischemia-reperfusion,  
   heat shock proteins 70, 90 and, in rat liver, 2601  
   tauroursodeoxycholic acid and, in rat liver, 2201  
 Ischemic colitis, activated protein C resistance and, 1356  
  
 Jaundice, jejunal absorption and, 2196  
 Jejunal absorption, obstructive jaundice and, 2196  
 Jejunoileal bypass, obesity and, 2493  
  
 Ketotifen therapy, acute ulcerative colitis and, in children 609  
 Kupffer cells, nitric oxide and, 1737  
  
 Lactobacilli, lactose maldigestion and, 133  
 Lactose malabsorption, depression and, in women, 2513  
 Lactose maldigesters, colorectal cancer and, 39  
 Lactose maldigestion, lactobacilli and, 133  
 Lamivudine therapy, hepatitis B and, 2267  
 Lamivudine, hepatitis B and, in liver transplant patients, 1186  
 Lansoprazole  
   gastric ulcer treatment and, 779  
  
 2804  
  
*Helicobacter pylori*  
   eradication and, 235  
   treatment and, 464  
   rebamipide, *H. pylori* and, in ulcer patients, 198S  
 Large intestine  
   mucosal damage, irinotecan (CPT-11) and, 2649  
   water content  
     fiber laxatives, calcium and, in pigs, 738  
 L-Arginine-induced pancreatitis, free radicals and, 1770  
 Leukocyte interferon- $\alpha$ , chronic hepatitis C, recombinant interferon and, 2173  
 Leuprolide acetate, functional bowel disease treatment and, in women, 1347  
 Lipid composition, gallbladder mucosal function and, 335  
 Lipid peroxidation  
   duodenal ulcers and, in rats, 1657  
   gastric mucosal injury and, 30S  
 Lipolysaccharide, gastric emptying and, in rats, 90  
 Liquid feeding  
   intra gastric distribution, diabetes mellitus and, 1421  
   small bowel motility and, 265  
 Liquid ingestion, gastroesophageal pH testing and, 834  
 Liquid meal, gastric motor activity, diabetes mellitus, neuropathy and, 491  
 Lithocholate-3-sulfate, ursodeoxycholate-3,7-disulfate, in EHBR rat, 188  
 Liver  
   allograft rejection  
      $\beta_2$ -microglobulin and, 1755  
     glucocorticoids and, 1755  
   biopsy  
     chronic viral hepatitis and, 1562  
     economic analysis of, 46  
     parenchymal liver disease and, 46  
   cirrhosis  
     arterial-venous shunting and, 51  
     bacterial pleural empyema and, 1129  
     branched-chain amino acids and, in rats, 1572  
     D-sorbitol and, 51  
     gastric motility, secretin and, 2392  
     paracentesis, portal hemodynamics and, 2470  
     spironolactone, portal hypertension and, 893  
     TIPS, infection risk and, 1708  
     transient cortical blindness, hepatic encephalopathy and, 365  
   damage, rebamipide and, 154S  
   disease, alcohol, hair growth and, 1111  
   graft recipients



## SUBJECT INDEX

- hepatitis G virus infection and, 2577
- hemangiomas, steroid use and, 1553
- perfusion, transcatheter arterial embolization, hepatocellular carcinoma and, 317
- regeneration
  - cadmium and, 1732
  - putrescine and, 1732
- transplant, lamivudine, hepatitis B and, 1186
- transplantation
  - energy metabolism, graft steatosis and, 74
  - immunosuppression, splenectomy and, 1931
  - venooclusive disease and, after renal transplantation 229
- Liver tumors, metastatic colorectal cancer and, 2634
- Low calorie diet, cholelithiasis, gallstone formation and, 540
- Lower esophageal sphincter
  - amino acids and, 840
  - cirrhosis and, 1562
  - octreotide and, 1562
- Luminal immunoglobulins, interleukin-6 and, 442
- Lung transplant
  - gastric ulcer, NSAIDs and, 1177
  - pneumosis intestinalis, *Clostridium difficile* colitis and 2455
- Lupron, functional bowel disease treatment and, in women, 1347
- Lymphocyte function associate antigen-1, graft-versus-host disease and, in small bowel transplant 221
- Lymphocyte transformation, flow cytometry and, in drug-induced hepatitis, 513
- Lymphocytes, hepatitis C virus population and, 377
- Lymphoepithelial cyst, pancreas and, 870
- Lysosomal enzyme regulation, intestinal bowel disease and, 706
- Macrophage inflammatory protein 1- $\alpha$ , ulcerative colitis and, 596
- Malignant stromal tumor, small intestine, hematogenous metastasis and, 2271
- Manometry
  - acid clearance, GERD and, 95
  - anal sphincter complex and, 2363
  - fundoplication and, 847
- Mast cell degranulation, visceral hypersensitivity, irritable bowel syndrome and, 727
- Mechanical properties, small intestine and, in pigs, 2034
- Mepirazole-induced ulcers, lipid peroxidation and, in rats, 1657
- Mesenteric ischemia, cocaine and, 586
- Metabolism, glutamine and, 1752
- Methane, alveolar air collection and, 1938
- Methyl *tert*-butyl ether, gallstone dissolution, recurrence and, 911
- Metronidazole, *Helicobacter pylori* treatment and, 464
- Mexican-Americans, gallstone disease risk factors and, 935
- Mexicans, gallstone disease risk factors and, 935
- Migrating motor complexes, bile acids and, in dogs, 2278
- Milk fat, ileal permeability and, 1547
- Misoprostol, gastrointestinal safety of NSAIDs and, 447
- Monoamines, gastric mucosal protection and, 791
- Monocyte chemoattractant protein-1, ulcer relapse and, 135S
- Motilin gene, Crohn's disease, inflammatory bowel disease, ulcerative colitis and, 715
- Motilin, interdigestive migrating complex and, 1697
- Motility
  - delta-opioid receptors and, in pigs, 1402
  - mucosal pH and, 1537
- Mucosa-associated lymphoid tissue
  - lymphoma diagnosis
    - polymerase chain reaction monoclonality and, 290
  - papilla of Vater, lymphoma and, 214
- Mucosa-associated lymphoid tissue*
- Mucosal damage
  - adaptive cytoprotection and, in rats, 1248
  - Helicobacter pylori* and, 46S
  - irinotecan (CPT-11) and, in large intestine, 2649
- Mucosal fatty acids, ulcerative colitis, trinitrobenzenesulfonic acid and, in rats, 2688
- Mucosal pH, intestinal epithelial cells and, 1537
- Mucosal protection
  - misoprostol and, 447
  - rebamipide and, 5S
  - tetragastrin and, in rats, 1050
- Muscularis propria, defunctionalized colon and, 616
- Myasthenia gravis therapy, liver hemangiomas and, 1553
- Myeloblastic leukemia, Crohn's disease treatment and, 1791
- Myenteric neuronal cultures, neurofilaments and, 270
- N*-<sup>3</sup>H-methyl-*N*-nitro-*N*-nitrosoguanidine
  - gastric mucosa and, in rats, 2012
  - gastric secretion and, in rats 2012
- N*-acetyl- $\beta$ -glucosaminidase, inflammatory bowel disease and, 706
- Nausea, tricyclic antidepressants and, 1951



- n*-butyrate, hydrogen sulfide and, in ulcerative colitis, 162
- Neoplasms, gastric dysmotility and, 1369
- Nesidioblastosis, in adults, 1784
- Neurofilaments, myenteric neuronal cultures and, 270
- Neuron-specific enolase, gastric adenocarcinoma and, 971
- Neuropathy, gastric motor activity, diabetes mellitus, liquid meal and, 491
- Neuropeptides
  - intestinal adaptation and, in piglet, 1102
  - small bowel resection and, in piglet, 1102
- Neurotensin, colon responsiveness and, 1685
- Neurotransmitters, gallbladder and, in guinea pigs, 2237
- Neutrophil extravasion, ethanol and, in cats, 2610
- Neutrophils
  - anaphylaxis, gastric inflammation and, in mice, 2021
  - Helicobacter pylori*, rebamipide and, 167S
  - rebamipide and, 139S
- Nicotinic agonist, gallbladder motility and, in guinea pigs, 2237
- Nissen laparoscopic fundoplication, fluoroscopy, manometry and, 847
- Nitric oxide
  - cerulein, sphincter of Oddi and, in dogs, 540
  - endothelin, pancreas transplantation and, 2627
  - gastric emptying and, in dogs 506
  - gastric hypoxia-reoxygenation and, in rabbits, 1043
  - intestinal transport and, 1605
  - Kupffer cells, hepatocytes and, 1737
  - pyloric motility and, in dogs, 506
  - rebamipide and, 118S
- Nizatidine, antral smooth muscle contractability and, 497
- Nonadrenergic, noncholinergic inhibitory neurons, small bowel transplantation and, 2446
- Noncardiac chest pain
  - Chagas' disease, balloon distension and, 2567
  - gastroesophageal reflux disease and, 1991
- Nonobese diabetic mice, 1031
- Nonsteroidal antiinflammatory drugs
  - gastric ulcer and, 2003
  - in lung transplant patients, 1177
  - Helicobacter pylori*, apoptosis and, 1957
  - Helicobacter pylori* proliferation and, 1957
- Nonulcer dyspepsia
  - Helicobacter pylori* and, 67S
  - treatment
    - psychiatric assessment and, 1241
- Normal B cells, calcium and, 2429
- NSAID gastrointestinal safety, misoprostol and, 447
- NSAID rheumatoid arthritis treatment, gastric acidity and, 459
- Nutrient absorption
  - gastric emptying and, in mini pigs, 1141
  - soy fiber, enteral diets and, 2099
- Obesity
  - acute pancreatitis and, 2251
  - electrogastrography and, in children, 1646
  - jejunoileal bypass and, 2493
- Obstructive jaundice, jejunal absorption and, 2196
- Octreotide
  - ascites and, in cirrhosis patients, 2184
  - effects on portal hypertension, 358
  - enteric cryptosporidiosis, HIV infection and, 436
  - glucose intolerance, acute pancreatitis and, 193
  - lower esophageal sphincter and, 1562
- Okadaic acid, colonic lesion and, in rats, 2526
- Omeprazole, duodenal ulcer treatment and, 1964
- Optical biopsy
  - optical coherence tomography and, 1193
  - pancreatobiliary tissue and, 1193
- Optical coherence tomography, pancreatobiliary tissue and, 1193
- Oral glutamine, 1752
- Oral pancreatic enzymes, cholecystokinin, pancreatitis and, 562
- Oral-oral transmission, *Helicobacter pylori* and, 1488
- Osteoporosis, bone density, Crohn's disease and, 2500
- Ovarian cancer, gastrin expression and, 1465
- Oxidative stress, beer and, in rats, 1332
- Oxygen radical
  - gastric mucosal injury and, 30S
  - rebamipide and, 113S
- Oxyntomodulin, intestinal secretion and, in rats, 1814
- p21 expression, gastric cancer and, 964
- p21<sup>WAF1/CIP1</sup>, esophageal cancer, gastric cancer and, 279
- p53
  - colorectal adenocarcinomas and, 1434
  - esophageal cancer, gastric cancer and, 279
  - expression
    - gastric cancer and, 964
    - metastatic carcinoma and, 167S
- Palmitoyl carnitine, colon absorption and, 641
- Pancreatobiliary tissue, optical coherence tomography and, 1193
- Pancreas
  - endothelin release, alcohol and, in cats, 927

# SUBJECT INDEX

- ethanol-induced neutrophil extravasion and, in cats, 2610
- iron content, structure, hemosiderosis and, 2411
- lymphoepithelial cyst and, 870
- transplantation, endothelin, nitric oxide and, 2627
- Pancreatectomy, endocrine, exocrine function and, 2616
- Pancreatic adenocarcinoma
  - diagnosis 15
  - ras* gene and, 15
- Pancreatic carcinoma, pancreatic tuberculosis and, 329
- Pancreatic duct narrowing, chronic pancreatitis and, 2415
- Pancreatic enzymes, intestinal damage and, in rats, 2322
- Pancreatic extract-enriched diet, ileal mucosal atrophy and, in rats, 2244
- Pancreatic pseudocyst, fistula, gastrointestinal bleeding and, 2622
- Pancreatic tuberculosis, pancreatic carcinoma and, 329
- Pancreatin microsphere treatment
  - chronic pancreatitis and, 203
  - gastric emptying and, 203
- Pancreatitis
  - cytokine-induced neutrophil chemoattractant and, in rats, 863
  - free radicals and 1770
  - free radicals, xanthine oxidase and 2405
  - hepatocellular carcinoma and, 21
  - hyperlipidemia, pregnancy and, in primigravida adolescent 943
  - interleukins and, post-ERCP 1763
  - main duct narrowing and, 2251
  - obesity and, 2415
  - oral pancreatic enzymes, cholecystokinin and, 562
  - prognosis and, 2415
- Papaverine, phospholipid secretion and, 183
- Papilla of Vater, mucosa-associated lymphoid tissue-lymphoma and, 214
- Paracentesis, portal hemodynamics and, in liver cirrhosis patients, 2470
- Paradiverticulitis, 1521
- Parasympathetic nervous system, irritable bowel syndrome and, in women, 2093
- Parenchymal liver disease, liver biopsy and, 46
- PCR assay, *Helicobacter pylori*, saliva and, 1211
- Penicillin, acute pancreatitis and, 1778
- Pentobarbitol, protein kinase C, colon electrophysiology and, 632
- Pepsinogen gene expression, gastric chief cells, in guinea pigs, 2744
- Peptic ulcer, *Helicobacter pylori*, cirrhosis and, 1219
- Peptidase activity, *Helicobacter pylori*, gallstone formation and, 854
- Peptide-1, gastric lipase secretion and, 799
- Percutaneous endoscopic gastrostomy
  - enteral nutrition and, 2549
  - gastric volvulus reduction and, 2659
- Peristalsis, esophageal manometry and, 1978
- Phenotypes, type 1 autoimmune hepatitis and, 1725
- Phosphatidycholine, aspirin, gastric ulcer and, in rats, 786
- Phospholipid secretion, bromosulfophthalein, papaverine, and 183
- Plasma, hepatitis C virus population and, 377
- Platelet-derived growth factor, chronic pancreatitis and, 567
- Pleural empyema, liver cirrhosis and, 1129
- Pneumatic dilation, achalasia and, 1973
- Pneumatosis intestinalis, *Clostridium difficile* colitis and, in lung transplant patient, 2455
- Polymerase chain reaction assay, hepatitis C virus RNA levels and, 385
- Polymerase chain reaction monoclonality, gastric MALT-lymphoma diagnosis and, 290
- Polypoid ganglioneuroma, colon and, 908
- Porphyria cutanea tarda, interferon- $\alpha$  therapy and, in chronic hepatitis C, 529
- Portal hemodynamics
  - duplex sonography and, in liver cirrhosis, 354
  - paracentesis and, in liver cirrhosis patients, 2470
- Portal hypertension
  - cirrhosis, gastric circulation and, 1302
  - gastric secretion and, in rats, 51
  - octreotide effects and, 358
  - propanolol effects and, 358
  - spironolactone, liver cirrhosis and, 893
  - variceal bleeding, TIPS and, 2463
- Portal hypertensive gastropathy, 51
- Portasystemic shunt, infection risk and, 1708
- Postoperative function, preoperative perfusion, ileum bypass and, 429
- Precore mutation, hepatitis B virus and, in Japan, 2473
- Pregnancy, hyperlipidemic pancreatitis and, in primigravida adolescent 943
- Preoperative perfusion, ileum bypass, postoperative function and, 429
- Primary biliary cirrhosis
  - cholangiocarcinoma and, 2138
  - chronic pancreatitis, systemic sclerosis and, 2426

- Primary sclerosing cholangitis, Crohn's disease, in Down's syndrome patient, 166
- Propanolol, effects on portal hypertension, 358
- Prostaglandin E<sub>2</sub>  
 esophageal epithelial cells  
 proliferation, restitution and, in rabbits, 2309
- Prostaglandin levels, sulindac and, in familial adenomatous polyposis patients, 311
- Prostaglandins  
 deoxycholate, gastric protection and, 806  
 gastroprotection and, 23S
- Protein kinase C, pentobarbital, colon electrophysiology and, 632
- Protein kinases, colorectal carcinoma, colon cancer and, 1454
- Protein-3, liver cirrhosis and, 1317
- Protein-losing enteropathy, intestinal bacterial overgrowth, diabetes mellitus and, 679
- Provocative meals, gastroesophageal reflux disease symptoms and, 485
- Pruritis, hepatitis C and, 2177
- Pseudoobstruction, vasculitis, amyloidosis and, 1824
- Psychological behaviors, irritable bowel syndrome and, 1794
- Psyllium, *Escherichia coli* infection and, in piglets, 2536
- Pulsed irrigation evacuation, chronic bowel conditions and, 1831
- Putrescine, liver regeneration and, 1732
- Pyloric motility, nitric oxide and, in dogs, 506
- Pyloric tone, glucagen-like polypeptide 1 and, 1133
- PylorTek, 1636
- Pyoderma gangrenosum, Crohn's disease and, 720
- Rabeprazole  
 gastric ulcer and, 993  
 ulcerative colitis and, 993  
 gastroesophageal reflux disease and, 993
- Ranitidine  
 antral smooth muscle contractability and, 497  
 duodenal ulcer treatment and, 1964
- Rapamycin, intestinal function and, in rabbits, 2227
- ras* gene, pancreatic adenocarcinoma and, 15
- Rebamipide  
 acetic-acid induced colitis and, 125S  
 ammonia-induced gastric lesions and, 78S  
 amoxicillin and, 198S  
 antioxidative activity, 125S  
 antioxidative properties, 35S  
 carcinogenesis and, in mice 207S  
 colonic inflammation and, 143S  
 cytokines and, 160S
- epidermal growth factor and, 90S  
 gastric epithelial cell apoptosis and, 107S  
 gastric mucosal injury and, 113S  
 gastric ulcer recurrence and, 99S  
 gastric wound repair and, 107S  
*Helicobacter pylori* and, 72S, 99S, 167S, 174S, 181S, 192S  
 in gastric ulcer patients, 198S  
 in peptic ulcer patients, 203S  
*Helicobacter pylori* eradication and, 23S  
 indomethacin-induced gastric injury and, 83S, 139S  
 iNOS mRNA expression and, 118S  
 interleukin-8 and, 174S  
 lansoprazole and, 198S  
 liver damage and, 154S  
 microcirculation and, 148S, 167S  
 mucosal protection and, 5S  
 neutrophils and, 139S  
 tumor necrosis factor and, 154S  
 ulcer healing and, 5S, 90S
- Recombinant interferon, hepatitis C and, 2173
- Rectal mucosal mast cells, acute infectious diarrhea and, 2111
- Rectosphincteric balloon probe, anorectal manometry and, 1402
- Reflux esophagitis, corpus argyrophil cell population and, 1621
- Renal transplantation, venoocclusive disease of liver and, 229
- R*-enantiomers, ulcers, *S*-aryl propionic acids and, in rats, 1264
- Repetitive extragenic palindromic DNA-sequence based PCR, 980
- Reserpine-induced lesions, tetramethylpyrazine and, in rats, 1652
- Reynaud's phenomenon, *Helicobacter pylori* and, 1641
- Rhabdoid tumor, small intestine and, 975
- RNA, stool samples and, 2652
- Ro/La antibodies, autoimmune hepatitis and, 1322
- Saccharomyces boulardii*, *C. difficile*, diarrhea and, in rats, 2055
- S*-adenosyl-L-methionine, ethanol hypotoxicity and, in isolated perfused rat liver, 2211
- Saguinus oedipus oedipus*, colitis, colon cancer and, 1443
- Saliva, *Helicobacter pylori* assay, nested PCR and, 1211
- Salmonella typhimurium, intestinal mucosal defense and, 646
- S*-aryl propionic acids, ulcers, *R*-enantiomers and, in rats, 1264

## SUBJECT INDEX

- Scintigraphy, dyspepsia, gastric emptying and, 1154  
 Secondary gastrointestinal amyloidosis, vasculitis, pseudoobstruction and, 1824  
 Secretin, gastric motility, liver cirrhosis and, 2392  
 Segmental aperistalsis, esophagus and, 1970  
 Seroepidemiology  
   Epstein-Barr virus and, 1488  
   *Helicobacter pylori* and, 1488  
 Seroconversion, hepatitis B and, 1714  
 Serology  
   *Helicobacter pylori* and, 2297  
   *Helicobacter pylori* diagnosis and, 103  
 Short bowel syndrome, 1925  
 Short-chain fatty acids  
   early response genes and, 1526  
   enteric flora and, 624  
   gastrointestinal function and, 1526  
   gastrointestinal structure and, 1526  
 Sialyl Lewis X, ulcerative colitis and, 596  
 Sideropenic anemia, celiac disease and, 673  
 Simvastatin, gallstone dissolution and, 349  
 Sinemet, intestinal secretion and, in dogs, 1806  
 Sleep, esophageal acid infusion and, 241  
 Slow-wave activity, stomach and, 683  
 Small bowel  
   hormones  
     motility and, 945  
   motility  
     hormones and, 945  
     liquid feeding and, 265  
     nonadrenergic, noncholinergic inhibitory neurons and, 2446  
 Small bowel resection  
   intestinal adaptation and, in piglet, 1102  
   neuropeptides and, in piglet, 1102  
 Small bowel transit, glucagen-like peptide-1 and, in rats, 2284  
 Small bowel transplant  
   graft-versus-host disease, LFA-1 expression and, 221  
   nonadrenergic, noncholinergic inhibitory neurons and, 2446  
 Small intestine  
   bacterial overgrowth  
     protein-losing enteropathy, diabetes mellitus and, 679  
   collagen and, in pigs, 2034  
   delta-opioid receptors and, in pigs, 1402  
   lesions, heat-shock proteins and, in rats, 2117  
   luminal immunoglobins, interleukin-6 and, 442  
   malignant rhabdoid tumor and, 975  
   malignant stromal tumor and, 2271  
   mechanical properties, in pigs, 2034  
   myenteric ablation, benzalkonium and, in rats, 702  
   pH, transit time, Crohn's disease and, 2666  
   transplantation  
     absorption and, 1925  
 snRNP antibodies, autoimmune hepatitis and, 1322  
 Sodium butyrate, alkaline phosphatase activity and, in IEC6, 1116  
 Sodium caprate  
   colon absorption and, 641  
   ileal tight junction permeability and, 1547  
 Sodium phosphate, diarrhea and, 2708  
 Somatostatin, taurocholate-induced pancreatitis and, 575  
 Soy fiber, intestinal absorption, enteral diets and, 2099  
 Splenectomy, liver transplantation, immunosuppression and, 1931  
 Sphincter of Oddi  
   cerulein-induced relaxation and, in dogs, 540  
   motility  
     botulinum toxin and, in dogs, 694  
     gastrin-releasing peptide and, in possum, 1275  
     nitric oxide and, in dogs, 540  
 Spironolactone, portal hypertension, liver cirrhosis and, 893  
 Steroids, liver hemangiomas and, 1553  
 Stomach, biomagnetic activity and, 683  
 Stool characteristics  
   in constipated people, 2353  
   in normal people, 2353  
 Stool samples, RNA and, 2652  
 Sucrose permeability, *Helicobacter pylori*, gastritis and, 749  
 Sulfur metabolism, ulcerative colitis and, 2080  
 Sulindac, prostaglandin levels and, familial adenomatous polyposis patients, 311  
 Swallowing, acid infusion, sleep and, 241  
 Symptomology, irritable bowel syndrome 2715  
 Systemic sclerosis, chronic pancreatitis, primary biliary cirrhosis and, 2426  
  
 Tamarins, colitis, colon cancer and, 1443  
 Taurocholate-induced pancreatitis, somatostatin and, 575  
 Tauroursodeoxycholic acid  
   cholestasis and, in rats, 2201  
   ischemia-reperfusion and, in rat liver, 2201  
 T-cell antigen receptor analysis, HBsAg vaccination, hepatitis B and, 880  
 T-cell clones, celiac disease and, 156  
 Tetragastrin



- histamine-induced injury and, in rat, 1050
  - interleukin-8, acid secretion and, 2317
  - Tetramethylpyrazine, gastric lesions, reserpine and, in rats, 1652
  - TGF- $\alpha$  expression, lazoprazole, sucralfate and, 2764
  - Thrombocytopenia, cirrhosis, TIPS and, 2459
  - Thrombophilia, activated protein C resistance and, 1356
  - Ticlopidine, cholestatic hepatitis and, 2223
  - Tolcapone, intestinal secretion and, in dogs, 1806
  - Transcatheter arterial embolization, liver perfusion, hepatocellular carcinoma and, 317
  - Transcutaneous electrical nerve stimulation, esophageal sensitivity and, 1621
  - Transforming growth factor- $\beta$ 1, ulcer relapse and, 135S
  - Transient cortical blindness, liver cirrhosis, hepatic encephalopathy and, 365
  - Transjugular intrahepatic portosystemic shunt infection risk and, 1708
  - thrombocytopenia, cirrhosis and, 2459
  - variceal bleeding, portal hypertension and, 2463
  - Transplantation, cytomegalovirus, ganciclovir and, 1190
  - Tricyclic antidepressants, nausea, vomiting disorders and, 1951
  - Trinitrobenzenesulfonic acid, mucosal fatty acids, ulcerative colitis and, in rats, 2688
  - Tubovillous adenoma, urinary 5-HIAA and, 1474
  - Tumor necrosis factor- $\alpha$ 
    - hepatic necrosis, D-galactosamine and, 887
    - hypoalbuminemia, hemophagocytic syndrome and, 67
  - Tumor necrosis factor, rebamipide and, 154S
  - Tumorigenesis
    - alkaline sphingomyelinase and, 26
    - ursodeoxycholate and, 26
  - Type 1 autoimmune hepatitis,  $\alpha$ <sub>1</sub>-antitrypsin deficiency and, 172S
- Ulcer
- healing
    - epidermal growth factor and, 14S
    - gastric fibroblasts and, 1230
    - rebamipide and, 5S, 90S
  - recurrence
    - cytokines, inflammation and, 61S
    - monocyte chemoattractant protein-1 and, 135S
    - transforming growth factor- $\beta$ 1 and, 135S
- Ulcerative colitis
- carbonic anhydrase and, 2086
- colectomy, fatty acids and, 1071
  - eosinophil and, 1061
  - epithelial cell adhesion molecules and, 596
    - Ee-selectin and, 596
    - sialyl Lewis X and, 596
    - macrophage inflammatory protein 1- $\alpha$  and, 596
  - fatty acids, antioxidant defense systems, and in rats, 2676
  - fecal lysozyme and, 590
  - heat shock protein 90 and, 1079
  - interleukin-6 and, 2071
  - interleukin-8 and, 2071
  - Ketotifen therapy and, in children, 609
  - motilin gene and, 715
  - mucosal fatty acids, trinitrobenzenesulfonic acid and, in rats, 2688
  - n*-butyrate, hydrogen sulfide and, 162
  - rabeprazole treatment and, 993
  - sulfur metabolism and, 2080
- Ulcers
- R*-enantiomers and, in rats, 1264
  - S*-aryl propionic acids and, in rats, 1264
- Ulm gallbladder stone study, 1285
- Ultrasound guidance, liver biopsy and, 46
- Upper esophageal sphincter, globus sensation and, 1513
- Urease inhibition, *Helicobacter pylori* and 109
- Urease tests, *Helicobacter pylori* and, 1636, 1641
- Uremia, hemodialysis, gastric myoelectrical activity and, 1159
- Urine testing, intestinal permeability and, 1946
- Ursodeoxycholate
  - alkaline sphingomyelinase and, 26
  - tumorigenesis and, 26
- Ursodeoxycholate-3,7-disulfate, lithocholate-3-sulfate excretion and, in EHBR rat, 188
- Ursodeoxycholic acid, cirrhosis, chylisarcosine and, 1292
- Urticaria, *Helicobacter pylori* and, 1226
- Vagal cholinergic function, irritable bowel syndrome and, 1794
- Variceal bleeding, portal hypertension, TIPS and, 2463
- Vascular endothelial growth factor
  - cancer and, 169S
  - liver disease and, 41
  - ulceration and, 40S
- Venoocclusive disease of liver, renal transplantation and, 229
- Viral hepatitis, acute liver failure prognosis and, 1311
- Virulence factors, *Helicobacter pylori* and, 1482



## SUBJECT INDEX

- Visceral hypersensitivity, mast cell degranulation and, 727
- Vomiting disorders, tricyclic antidepressants and, 1951
- Wall distensibility, endoscopic sclerotherapy and, in pigs, 521
- Water transport, nitric oxide and, 1605
- Xanthine oxidase, pancreatitis, free radicals and, 2405
- Xanthogranulomatous cholecystitis 940
- Yersinia enterocolitica*, collagenous colitis and, 1341